

# Product Datasheet

## Colon Matched Tumor and Normal Tissue Lysate NBP2-47073-2Vial

Unit Size: 2 Vial

Store at -80C. Avoid freeze-thaw cycles.

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**NBP2-47073-2Vial****Colon Matched Tumor and Normal Tissue Lysate**

| <b>Product Information</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Unit Size</b>           | 2 Vial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>       | mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>             | Store at -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Description</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>         | <p>1 x Human colon tumor tissue lysate (1 mg/ml, 100 ug/vial)<br/> 1 x Human colon normal tissue lysate (matched) (1 mg/ml, 100 ug/vial)</p> <p><b>Matched Tumor &amp; Normal Tissue Lysate Set</b></p> <p>Diagnosis: Adenocarcinoma</p> <p>Sex: Male</p> <p>Age: 49</p> <p>Grade: 2</p> <p>Stage: II, T3N0M0</p> <p>Tumor Pathology Data</p> <p>Location: Colon</p> <p>Gross findings: Tumor size 3 x 3 x 2 cm with ulcerative surface. Cut surface is soft, white. Paracolic lymph nodes: 2</p> <p><b>Microscopic Findings</b></p> <p>Tissue sections show proliferation of malignant epithelial cell clusters. Epithelial cells have small, basophilic, irregular nuclei and abundant cytoplasm. Mitotic figures are evident. The tumor cells form glands and invaded through the muscularis propria and subserosa. The stroma is infiltrated by large numbers of inflammatory cells. Tumor necrosis and blood vessel invasion are revealed. Lymph nodes show negative.</p> <p><b>Preparation Method</b></p> <p>Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify.<br/> Extraction 1: PBS, pH 7.4; 1 ug/ml Aprotinin; 1 mM NaF<br/> Modified RIPA Buffer: 1 mM EDTA; 1 ug/ml Pepstatin-A; 0.1% SDS; 0.25% Na deoxycholate; 1 ug/ml Leupeptin; 1 mM PMSF; 1 mM Na3VO4</p> |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>               | <p>The vial is provided with a 10% overfill. Maximum recovery can be obtained by centrifuging the vial briefly to collect any solution on the cap and tube sides.</p> <p>This material has tested negative for HbsAg, HIV 1/2, and HCV. Use UNIVERSAL PRECAUTIONS when handling. Human tissue derivatives must be treated as a potentially infectious agent and disposed of appropriately</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|--------------------------|---------------------------------|
| <b>Lysate Type</b>       | Matched Tumor and Normal Tissue |
| <b>Lysate Tissue</b>     | Colon                           |
| <b>Lysate Life Stage</b> | Adult                           |

## Product Application Details

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| <b>Application Notes</b> | <p>These lysates have not been subjected to denaturing or reducing conditions. This allows the tissue or cell lysate to be used in a variety of applications; to study protein-protein interaction, ligand binding, ELISA, immunoprecipitation, 1D and 2D gel electrophoresis, and Western blotting for the detection of specific protein targets.</p> <p>For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required.</p> <p>Buffer requirements for performing protein-protein interaction and ligand binding studies can vary significantly from RIPA buffer and may require modifications. In most cases, tissue lysates in RIPA buffer can be used, directly in standard ELISA and immunoprecipitation assays.</p> <p>These lysates are proteomic discovery tools. Researchers should validate and optimize for individual use.</p> |
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### **Products Related to NBP2-47073-2Vial**

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|            |                                               |
|------------|-----------------------------------------------|
| NBP2-30256 | Human Colon Tissue MicroArray (Rectal Cancer) |
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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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