

# Product Datasheet

## Lung Matched Tumor and Normal Tissue Lysate NBP2-47091

Unit Size: 2 Vials

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

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**NBP2-47091****Lung Matched Tumor and Normal Tissue Lysate**

<b>Product Information</b>	
<b>Unit Size</b>	2 Vials
<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 lung tumor tissue lysate (1 mg/ml, 100 ug/vial)  1 x Human lung 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: 74</p> <p>Grade: 2</p> <p>Stage: Not staged</p> <p>Tumor Pathology Data</p> <p>Location: Right lower lobe</p> <p>Gross findings: Tumor size 4 cm diameter, well demarcated. Cut section soft, hemorrhagic and necrotic. Ipsilateral hilar lymph nodes: 0</p> <p><b>Microscopic Findings</b></p> <p>Tumor shows proliferation of malignant epithelial cell clusters. Epithelial cells form clusters with irregular, basophilic, large nuclei and predominant nucleoli. Nuclear chromatin is coarse and irregularly distributed. Mitotic figures are evident. The surrounding stroma is hemorrhagic and infiltrated by large numbers of lymphocytes, plasma cells, eosinophils and neutrophils. Tumor necrosis and blood vessel invasion are revealed.</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.  Extraction 1: PBS, pH 7.4; 1 ug/ml Aprotinin; 1 mM NaF  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 Na<sub>3</sub>VO<sub>4</sub></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>

<b>Lysate Type</b>	Matched Tumor and Normal Tissue
<b>Lysate Tissue</b>	Lung
<b>Lysate Life Stage</b>	Adult

## Product Application Details

<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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NBP2-30277	Human Lung Tissue MicroArray (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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