

Product Datasheet

Stomach Matched Tumor and Normal Tissue Lysate NBP2-47081

Unit Size: 2 Vials

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

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NBP2-47081

Stomach Matched Tumor and Normal Tissue Lysate

Product Information	
Unit Size	2 Vials
Concentration	mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Product Description	
Description	<p>1 x Human stomach tumor tissue lysate (1 mg/ml, 100 ug/vial) 1 x Human stomach normal tissue lysate (matched) (1 mg/ml, 100 ug/vial)</p> <p>Matched Tumor & Normal Tissue Lysate Set</p> <p>Diagnosis: Adenocarcinoma, poorly differentiated</p> <p>Sex: Male</p> <p>Age: 52</p> <p>Grade: N/A</p> <p>Stage: II, T3N0M0</p> <p>Tumor Pathology Data</p> <p>Location: Antrum</p> <p>Gross findings: Ulcerative lesion located at the antrum, ill demarcated. Ulceration measures 4 cm in diameter. Cut section is firm and white.</p> <p>Microscopic Findings</p> <p>Tissue sections show proliferation of malignant cells. The epithelial cells have small, basophilic, irregular nuclei and abundant cytoplasm, Cytoplasm contains much mucin. Nuclear chromatin is coarse with prominent nuclei. Mitotic figures are not evident. The neoplastic cells form groups and lines invading the smooth muscle propria and serosa. The stroma is infiltrated by small numbers of lymphocytes, plasma cells, eosinophils and neutrophils. Blood vessel invasions are not revealed. Lymph nodes show hyperplasia.</p> <p>Preparation Method</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 Na3VO4</p>
Species	Human
Notes	<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>

Lysate Type	Matched Tumor and Normal Tissue
Lysate Tissue	Stomach
Lysate Life Stage	Adult

Product Application Details

Application Notes	<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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Publications

Ara H, Subedi U, Sharma P et al. Alteration of Cellular Energy Metabolism through LPAR2-Axin2 Axis in Gastric Cancer Biomolecules 2022-12-02 [PMID: 36551233]





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Products Related to NBP2-47081

NBP2-30308	Human Stomach 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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