

# Product Datasheet

## Stomach Matched Tumor and Normal Tissue Lysate NBP2-47080

Unit Size: 2 Vials

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

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**NBP2-47080**

## Stomach 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 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><b>Matched Tumor &amp; Normal Tissue Lysate Set</b></p> <p>Diagnosis: Mucinous Adenocarcinoma, well differentiated</p> <p>Sex: Female</p> <p>Age: 56</p> <p>Grade: N/A</p> <p>Stage: II</p> <p>Tumor Pathology Data</p> <p>Location: Lesser curvature</p> <p>Gross findings: Ulcerative lesion located at the lesser curvature. Cut section is soft, light yellow, and hemorrhagic. Ulceration measures 3 x 4 cm in diameter.</p> <p><b>Microscopic Findings</b></p> <p>Biopsy shows malignant columnar cells arranged in glands. The malignant cells have clear cytoplasm with vacuoles. Nuclei have irregular nuclear membranes, cytoplasm is granular and vacuolated with large nucleoli. The malignant cells have invaded the gastric wall. There is evidence of mucinous secretion.</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>	Stomach

<b>Lysate Life Stage</b>	Adult
<b>Product Application Details</b>	
<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>

### 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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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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