

Product Datasheet

Human Breast Tissue Lysate (Adult Normal) NBP2-27976

Unit Size: 0.1 mg

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

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NBP2-27976**Human Breast Tissue Lysate (Adult Normal)**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Product Description	
Description	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.
Species	Human
Specificity/Sensitivity	Sex:Female Age :73 Diagnosis:Infiltrating ductal carcinoma Grade:3 Stage:III TNM:T3N1bMx Clinical Tissue Human Breast Normal Tissue Lysate
Preparation Method	Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify. The pellet was further extracted with a second buffer to obtain the less soluble protein fraction. The lysate solution may appear turbid at cold temperatures due to insolubility of buffer components. The solution should clear upon warming to room temperature.
Notes	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.
Lysate Type	Tissue
Lysate Tissue	Breast
Lysate Tissue Condition	Normal
Lysate Life Stage	Adult
Product Application Details	
Application Notes	These lysates are proteomic discovery tools. Researchers should validate and optimize for individual use. Potential applications MAY include WB, immunoprecipitation, protein-protein interactions, ligand binding, ELISA. Note: For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required.

Images**Human Breast Tissue Lysate (Adult Normal) [NBP2-27976]**

Location:	Right breast														
Gross findings:	Tumor size 5 x 4 cm. Cut section firm and yellow. Ipsilateral axillary lymph nodes examined: 7														
Microscopic findings:	<table> <tr> <td>Vascular infiltration:</td><td>Negative</td></tr> <tr> <td>Tumor necrosis:</td><td>Positive</td></tr> <tr> <td>Number of nodes positive:</td><td>7</td></tr> <tr> <td>Cellular differentiation:</td><td>3</td></tr> <tr> <td>Nuclear pleomorphism:</td><td>3</td></tr> <tr> <td>Mitotic activity:</td><td>3</td></tr> <tr> <td>Lymphocytic response:</td><td>Positive</td></tr> </table>	Vascular infiltration:	Negative	Tumor necrosis:	Positive	Number of nodes positive:	7	Cellular differentiation:	3	Nuclear pleomorphism:	3	Mitotic activity:	3	Lymphocytic response:	Positive
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Procedures

Product Handling Protocol (NBP2-27976)

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Lysate Preparation: Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify. The pellet was further extracted with a second buffer to obtain the less soluble protein fraction. The lysate solution may appear turbid at cold temperatures due to insolubility of buffer components. The solution should clear upon warming to room temperature.

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

Extraction 2: PBS, pH 7.4, 5.0 M Urea, 2.0 M Thiourea, 50mM DTT, 0.1% SDS





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Products Related to NBP2-27976

NBP2-30212	Human Breast 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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