

Product Datasheet

Human Breast Tissue Lysate (Adult Tumor) NBP2-27915

Unit Size: 0.1 mg

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

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NBP2-27915**Human Breast Tissue Lysate (Adult Tumor)**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Product Description	
Species	Human
Specificity/Sensitivity	<p>Tissue: Breast Diagnosis: Infiltrating ductal carcinoma Stage: IIIB TNM: T4bN1M0 Grade: 2 Sex: Female Age: 54 Gross findings: Tumor size 10 cm., ill demarcated. Ulceration of the skin. Cut section firm and white. Ipsilateral axillary lymph nodes examined: 2 Microscopic findings: The tumor is composed of proliferation of malignant epithelial cells. The epithelial cells are arranged as groups which have invaded the stroma. The tumor cells have irregular, basophilic nuclei and abundant cytoplasm. Nuclear chromatin is coarse with prominent nuclei. Mitotic figures are evident. The stroma is infiltrated by small numbers of chronic inflammatory cells. Necroses are seen but blood vessel invasions are not revealed. The lymph nodes show metastasis (2/8).</p>
Immunogen	<p>Clinical Tissue Human Breast Tumor Tissue Lysate</p>
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	Tumor
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. For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required. 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>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>





Procedures

Product Handling Protocol (NBP2-27915)

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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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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