

# Product Datasheet

## Human Breast Tissue Lysate (Adult Normal) NBP2-28006

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -70C long term. Avoid freeze-thaw cycles.

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**NBP2-28006****Human Breast Tissue Lysate (Adult Normal)**

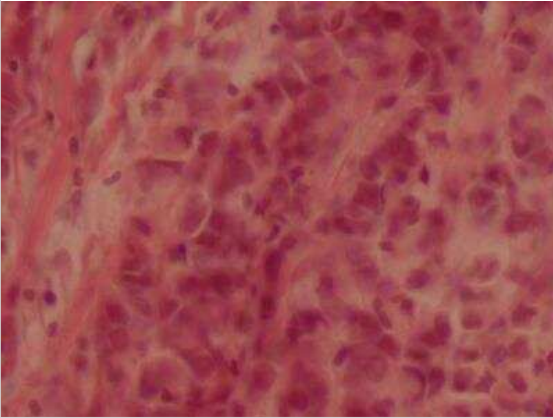
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C short term. Aliquot and store at -70C long term. Avoid freeze-thaw cycles.
<b>Product Description</b>	
<b>Description</b>	The vial is provided with a 10% overfill. Maximum recovery can be obtained by centrifuging the vial briefly to collect any solution on the cap and tube sides.
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Sex:Female Age :75 Diagnosis:Scirhous adenocarcinoma Grade:3 Stage:II TNM:T2N0M0 Clinical Tissue Human Breast Normal Tissue Lysate (Matched), Soluble protein fraction
<b>Preparation Method</b>	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.
<b>Notes</b>	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.
<b>Lysate Type</b>	Tissue
<b>Lysate Tissue</b>	Breast
<b>Lysate Tissue Condition</b>	Normal
<b>Lysate Life Stage</b>	Adult
<b>Product Application Details</b>	
<b>Application Notes</b>	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) [NBP2-28006]

Location:	Left breast.					
Gross findings:	Tumor size 3 x 2.5 cm, ill demarcated. Cut section yellow/white.					
Histologic pattern:	Cell distribution:	+/+	Structure / Pattern:			+/+
	Diffuse:	+	Streaming:			-
	Mosaic:	-	Storiform:			-
	Necrosis:	-	Fibrosis:			+
	Lymphocytic infiltration:	+	Palisading:			-
	Vascular invasion:	+	Cystic degeneration:			+
	Clustered:	-	Bleeding:			-
	Alveolar formation:	-	Myxoid change:			-
	Indian file:	-	Psammoma body:			-
Cellular differentiation:	Squamous:	+/+	Adenomatous:	+/+	Sarcomatous:	+/+
	Squamoid:	-	Glandular cell:	+	Round cell:	-
	Spindle:	-	Cell stratification:	-	Spindle cell:	-
	Keratin:	-	Secretion:	-	Leiomyoblast:	-
	Desmosome:	-	Intracellular vacuole:	+	Lipoblast:	-
	Pearl:	-	Glandular formation:	+	Rhabdomyoblast:	-
Nuclear atypia:	Nuclear Appearance:	0	I	II	III	
	Anisonucleosis:					X
	Hyperchromatism:					X
	Nucleolar prominent:					X
	Multinucleated giant cell:					X
	Mitotic activity:					X
	Nuclear grade:					X

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## Procedures

### Product Handling Protocol (NBP2-28006)

Product Handling Protocol (NBP2-28006):

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 Na<sub>3</sub>VO<sub>4</sub>

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 NBP2-28006**

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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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