

# Product Datasheet

## INSTA-Blot Breast Tissue OncoPair NBP2-30125

Unit Size: 1 Membrane

Store at room temperature.

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**NBP2-30125**

## INSTA-Blot Breast Tissue OncoPair

**Product Information**

<b>Unit Size</b>	1 Membrane
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at room temperature.

**Product Description**

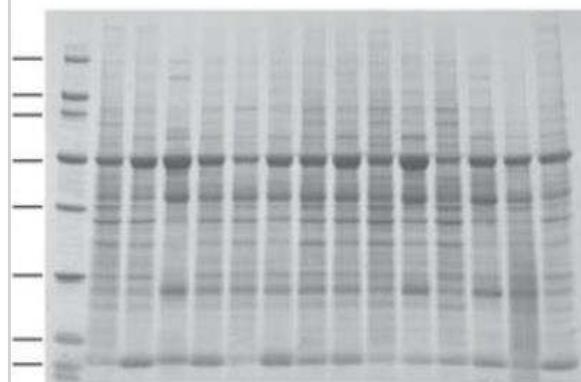
<b>Description</b>	Please see online datasheet for lane details: <a href="http://www.novusbio.com/NBP2-30125">www.novusbio.com/NBP2-30125</a>
<b>Species</b>	Human
<b>Preparation Method</b>	Tissue specimens were homogenized in modified RIPA buffer to obtain the soluble proteins and centrifuged to clarify. The concentration of protein in each lysate was determined by a standard protein assay and standardized to 1 mg/ml. Sample buffer was added to the soluble fraction and approximately 14 ug/lane of protein was run and then transferred to PVDF membrane. Soluble fraction extraction buffer (extract 1): PBS at 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 5X Sample buffer: 50 ml glycerol, 15 g SDS, 3.819 g Tris, pH 6.8, 25 ml 2-ME, 100 mg bromophenol blue, final volume of 100 ml with DI H2O.
<b>Notes</b>	Mark12 molecular weight standards were used on this blot: 200, 116.3, 97.4, 66.3, 55.4, 36.5, 33, 21.5, 14.4, 6, 3.5, 2.5 kDa

**Product Application Details**

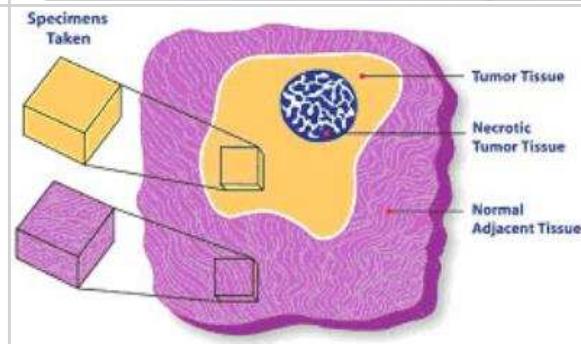
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot

**Images**

Western Blot: INSTA-Blot Breast Tissue OncoPair [NBP2-30125] - Representative amido-black stained blot. Samples on the blot are laid out in pairs of tumor and normal tissue lysate from the same patient. There are seven pairs of samples, representing seven different patients, on each OncoPair blot. Note: The blot image is representative only.



INSTA-Blot Breast Tissue OncoPair [NBP2-30125] - Tumor tissue is taken from healthy tumor tissue while normal tissue is taken from an area adjacent to the tumor tissue.



## Publications

Santagata S, Hu R, Lin NU et al. High levels of nuclear heat-shock factor 1 (HSF1) are associated with poor prognosis in breast cancer. *Proc Natl Acad Sci U S A*. 2011-11-08 [PMID: 22042860]

Details:  
INSTA-BLOT(TM) Breast Tissue OncoPair (IMB-130a). Membrane was probed with HSF1 antibody, Fig 1C.

Tuszynski GP, Rothman VL, Zheng X et al. G-protein coupled receptor-associated sorting protein 1 (GASP-1), a potential biomarker in breast cancer. *Exp Mol Pathol*. 2011-10-01 [PMID: 21791203]

Details:  
INSTA-BLOT(TM) Breast Tissue OncoPair (IMB-130e). Blot was probed with a GASP-1 antibody, Fig 2.2. Breast cancer Tissue Microarray (IMH-364, aka CBA4). Tissue microarray was probed with a GASP-1 antibody, Figs 3, 4.

Qin Y, Xu J, Aysola K et al. Ubc9 mediates nuclear localization and growth suppression of BRCA1 and BRCA1a proteins. *J Cell Physiol*. 2011-12-01 [PMID: 21344391]

Details:  
INSTA-BLOT(TM) Breast Tissue OncoPair (IMB-130e). Membrane was probed with Ubc9 antibody, Fig 7A.

Michel V, Yuan Z, Ramsubir S et al. Choline transport for phospholipid synthesis. *Exp Biol Med (Maywood)*. 2006-05-01 [PMID: 16636297] (WB, Human)

Details:  
Product cited: INSTA-Blot(TM) Human Tissue: ready-to-use WB (IMB-103).

Kinouchi R, Kinouchi T, Hamamoto T et al. Distribution of CESP-1 protein in the corneal endothelium and other tissues. *Invest Ophthalmol Vis Sci*. 2006-04-01 [PMID: 16565373] (WB, Human)

Details:  
INSTA-BLOT(TM) Human Tissue: ready-to-use WB (IMB-103).

## Procedures

### Western Blot protocol for INSTA-Blot Breast Tissue OncoPair (NBP2-30125)

INSTA-Blot Breast Tissue OncoPair:

Note: The INSTA-Blot(TM) PVDF membrane has been dried and must be rehydrated (Step one) prior to use. Before wetting, it is suggested that the top of the lanes be marked with an ink pen that will not wash off in methanol.

1. Wet the blots with 100% methanol then thoroughly wash with TBST (25 mM Tris-Cl, pH 8.0; 125 mM NaCl; 0.1% Tween 20) twice to remove residual methanol.
2. Incubate the blot for 1 hr with 5% Carnation nonfat dry milk in TBST to block non-specific antibody binding.
3. Incubate the blots with primary antibody in 1% milk/TBST for 1-2 h at RT or overnight at 4 degrees C.
4. After incubation with the primary antibody, wash the blots five times in TBST then incubate with a secondary antibody conjugated to horseradish peroxidase (HRP-conjugated secondary antibodies) for 1-2 h at RT.
5. After five washes with TBST, develop the blots for 5 min using the PicoTect(TM) Western Blot Chemiluminescent Substrate.
6. Expose the blots to photographic film for an appropriate time period. We normally use Hyper-film(TM)-ECL films and expose for various periods ranging from 10 s to 20 min to visualize the chemiluminescence signal corresponding to the specific antibody-antigen reaction.

**MSDS for Non Hazardous Product (NBP2-30125)**

INSTA-Blot Breast Tissue OncoPair:

Material Safety Data Sheet for Non Hazardous Products

**Hazard Information**

Chemical Name: Non hazardous products.

Chemical Formula: N/A

CAS Number: N/A

EEC-No: N/A

**Hazard Identification**

None

**First Aid Measures**

Eye Contact: None

Skin Contact: None

Inhalation: None

Ingestion: None

**Accidental Release Measures**

This product either does not contain hazardous constituents or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, 88/379/EEC, and 67/546/EEC.

**Handling and Storage**

Exposure Controls / Personal Protection

Other Precautions: None

**Physical and Chemical Properties**

Form: N/A

Color: N/A

Odor: N/A

Melting Point: N/A

Boiling Temperature: N/A

Density: N/A

Vapor Pressure: N/A

Solubility in Water: N/A

Flash Point: N/A

Explosion limits: N/A

Ignition Temperature: N/A



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Western Blot Membranes are guaranteed for 1 year from date of receipt.

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