

# Product Datasheet

## INSTA-Blot Human Tissues

### NBP2-30113

Unit Size: 1 Membrane

Store at room temperature.

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**NBP2-30113****INSTA-Blot Human Tissues**

<b>Product Information</b>	
<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.
<b>Product Description</b>	
<b>Description</b>	Please see online datasheet for lane details: <a href="http://www.novusbio.com/NBP2-30113">www.novusbio.com/NBP2-30113</a>
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 24704276)
<b>Preparation Method</b>	INSTA-Blot®; Human Tissues NBP2-30113 contains denatured proteins from human lysates loaded at 20 ug (total protein, Bradford Assay) per lane on a 4-20% Tris-Glycine mini gel. After resolution by SDS-PAGE at 125V for 1 hour the proteins are electro-blotted for 2 hours at 25V onto a PVDF membrane. The membrane is stained with amido black for visualization of proteins, dried and packaged under anoxic conditions. The INSTA-Blot® is sold ready-to-use in your western blot protocol
<b>Notes</b>	Mark12 is used as the molecular weight marker for this product.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	Tissues are from donors with no known disease. Tissues are lysed in lysis buffer (10 mM Tris, pH 8.0, 130 mM NaCl, 1% Triton X-100, 10 mM NaF, 10 mM NaPi, 10 mM NaPPi) containing Protease Inhibitor Cocktail (PIC) and PMSF. Prior to SDS-PAGE the tissue lysate is resuspended 1:1 with 2X SDS sample buffer (120 mM Tris-Hcl [pH 6.8], 20 mM EDTA, 4% SDS, 0.06% Bromophenol Blue, 20% glycerol, 0.4% B-mercaptoethanol). Use in western blot reported in scientific literature (PMID: 24704276) .

**Images**

Western Blot: INSTA-Blot Human Tissues [NBP2-30113] - Human Tissues. Approximately 20 ug per lane of human tissue lysates are resolved by SDS-PAGE, transferred onto PVDF membrane and stained with amido black. Lanes: 1. Molecular weight marker (Mark12); 2. Brain; 3. Heart; 4. Small Intestine; 5. Kidney; 6. Liver; 7. Lung; 8. Skeletal Muscle; 9. Stomach; 10. Spleen; 11. Ovary; 12. Testis



## Publications

Romanish Mark T, Nakamura Hisae, Lai C Benjamin et al. A novel protein isoform of the multicopy human NAIP gene derives from intragenic Alu SINE promoters. PLoS One. 2009-01-01 [PMID: 19488400] (WB)

Yoshikawa Noritada, Shimizu Noriaki, Maruyama Takako et al. Cardiomyocyte-specific overexpression of HEXIM1 prevents right ventricular hypertrophy in hypoxia-induced pulmonary hypertension in mice. PLoS One. 2012-01-01 [PMID: 23300697] (IF/IHC)

Zhou You, Li Shiqian, Mayranpaa Mikko I et al. OSBP-related protein 11 (ORP11) dimerizes with ORP9 and localizes at the Golgi-late endosome interface. Exp Cell Res. 2010-11-15 [PMID: 20599956] (WB, Human)

Nunez Maria I, Ludes-Meyers John, Aldaz C Marcelo. WWOX protein expression in normal human tissues. J Mol Histol. 2006-05-01 [PMID: 16941225] (WB, Human)

Zuleger Nikolaj, Boyle Shelagh, Kelly David A et al. Specific nuclear envelope transmembrane proteins can promote the location of chromosomes to and from the nuclear periphery. Genome Biol. 2013-01-01 [PMID: 23414781] (WB, Human)

Paulsen Michelle T, Starks Adrienne M, Derheimer Frederick A et al. The p53-targeting human phosphatase hCdc14A interacts with the Cdk1/cyclin B complex and is differentially expressed in human cancers. Mol Cancer. 2006-01-01 [PMID: 16784539] (WB, Human)

Urban D. Characterization of VPS16B, a Novel Protein Involved in Platelet alpha-Granule Biogenesis Thesis. 2014-01-01 (WB)

### Details:

INSTA-Blot Multi-species Brain, Testis and Ovary used for WB analysis of VPS16B with GAPDH as a loading control. Highest VPS16B expression levels were seen in heart, skeletal muscles and brain, while small intestine, liver and testis also showed detectable levels of this protein (Figure 3.11) [Note:- This publication cites catalog# IMB-120 / NBP2-30115, however, in reality, the customer used IMB-103 / NBP2-30113 ].

Samyeesudhas SJ, Jroy L, Cowden Dahl KD. Differential expression of ARID3B in normal adult tissue and carcinomas. Gene 2014-06-10 [PMID: 24704276] (WB, Human)

### Details:

Figs 1, 2

Bernstein HG, Stricker R, Dobrowolny H et al. Histochemical evidence for wide expression of the metalloendopeptidase nardilysin in human brain neurons. Neuroscience. 2007-06-08 [PMID: 17442499]

Ellerbroek SM, Wennerberg K, Arthur WT et al. SGEF, a RhoG guanine nucleotide exchange factor that stimulates macropinocytosis. Mol Biol Cell. 2004-07-01 [PMID: 15133129]

Hayashi Reiko, Goto Yuya, Ikeda Ryuji et al. CDCA4 is an E2F transcription factor family-induced nuclear factor that regulates E2F-dependent transcriptional activation and cell proliferation. J Biol Chem. 2006-11-24 [PMID: 16984923]

Rodriguez CI, Girones N, Fresno M. Cha, a basic helix-loop-helix transcription factor involved in the regulation of upstream stimulatory factor activity. J Biol Chem. 2003-10-31 [PMID: 12923186]

More publications at <http://www.novusbio.com/NBP2-30113>

## Procedures

### MSDS for Non Hazardous Product (NBP2-30113)

INSTA-Blot Human Tissues:

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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