

Product Datasheet

INSTA-Blot Human Tissues

NBP2-31378

Unit Size: 1 Membrane

Store at room temperature.

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NBP2-31378**INSTA-Blot Human Tissues****Product Information**

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

Product Description

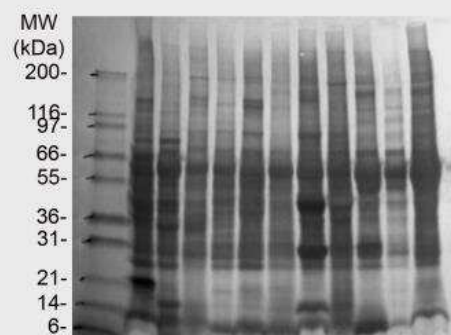
Description	Please see online datasheet for lane details: www.novusbio.com/NBP2-31378
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID:32839274).
Preparation Method	INSTA-Blot® Human Tissues. NBP2-31378 contains denatured proteins from human lysates loaded at 50 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.
Notes	The molecular weight markers run on this blot are Mark12(TM) unstained standards: 200, 116.3, 97.4, 66.3, 55.4, 36.5, 21.5, 14.4, 6

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot reported in scientific literature (PMID 25615412)
Application Notes	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 with 4x Laemmli sample buffer with B-mercaptoethanol and denatured in boiling water.

Images

Western Blot: INSTA-Blot Human Tissues [NBP2-31378] - SDS-Page: INSTA-Blot Human Tissues [NBP2-31378] - Approximately 50 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; 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

Abshire ET, Hughes KL, Diao R et al. Differential processing and localization of human Nocturnin controls metabolism of mRNA and nicotinamide adenine dinucleotide cofactors J. Biol. Chem. 2020-08-23 [PMID: 32839274] (WB, Human)

Zhou K, Dichlberger A, Ikonen E, Blom T Lysosome Associated Protein Transmembrane 4B (LAPTM4B)-24 is the predominant protein isoform in human tissues and undergoes rapid, nutrient-regulated turnover Am. J. Pathol. 2020-07-14 [PMID: 32679228]

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)

Kato D, Osakabe A, Tachiwana H et al. Human tNASP Promotes in Vitro Nucleosome Assembly with Histone H3.3 Biochemistry. 2015-01-30 [PMID: 25615412] (WB)

Details:

INSTA-Blot Human Tissues membrane used for analysis of Nuclear Autoantigenic Sperm Protein/NASP (tNASP and sNASP) with alpha-tubulin as a loading control (Figure 1D, Supplementary Figure 1.)



Procedures

MSDS for Non Hazardous Product (NBP2-31378)

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.

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

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