

Product Datasheet

HIP1 Antibody (4B10) - BSA Free NB300-203

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB300-203

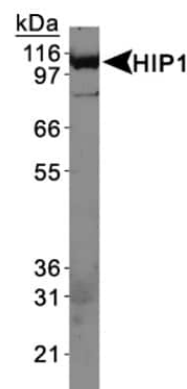
HIP1 Antibody (4B10) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4B10
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	115 kDa
Product Description	
Description	Novus Biologicals Mouse HIP1 Antibody (4B10) - BSA Free (NB300-203) is a monoclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-HIP1 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3092
Gene Symbol	HIP1
Species	Human, Mouse, Rat (Negative)
Reactivity Notes	Does not react with rat.
Immunogen	Human 3'-HIP1 (~65 kDa)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000, Chromatin Immunoprecipitation reported in scientific literature, Immunohistochemistry reported in scientific literature, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation reported in scientific literature, Immunohistochemistry-Paraffin reported in scientific literature, Chromatin Immunoprecipitation (ChIP) reported in scientific literature
Application Notes	In Western blot, a band at approximately 115 kDa is seen. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.



Images

Western Blot: HIP1 Antibody (4B10) [NB300-203] - Western Blot on HeLa whole cell extracts.



Publications

Bettencourt C, Miki Y, Piras IS et al. MOBP and HIP1 in multiple system atrophy: New α -synuclein partners in glial cytoplasmic inclusions implicated in the disease pathogenesis *Neuropathology and Applied Neurobiology* 2021-08-01 [PMID: 33368549] (Immunoprecipitation, Western Blot, Immunocytochemistry/ Immunofluorescence, Human, Mouse)

Krzystek TJ, White JA, Rathnayake R, Thurston L et Al. HTT (huntingtin) and RAB7 co-migrate retrogradely on a signaling LAMP1-containing late endosome during axonal injury *Autophagy* 2022-09-01 [PMID: 36048753]

Barker BL, Benovic J. G protein-coupled receptor kinase 5 phosphorylation of hip regulates internalization of the chemokine receptor CXCR4 *Biochemistry* 2011-08-16 [PMID: 21728385] (WB, Human)

Fontaine SN, Bauer SP, Lin X et al. Replacement of charged and polar residues in the coiled-coiled interface of huntingtin-interacting protein 1 (HIP1) causes aggregation and cell death *FEBS Lett* 2012-07-23 [PMID: 22835334] (ICC/IF, WB, Human)

Rao, DS et al. Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival. *J Clin Invest*;110(3):351-60. 2002-08-01 [PMID: 12163454]

Rao DS, Chang JC, Kumar PD, Mizukami I, Smithson GM, Bradley SV, Parlow AF, Ross TS. Huntingtin interacting protein 1 is a clathrin coat binding protein required for differentiation of late spermatogenic progenitors. *Mol Cell Biol*;21(22):7796-806. 2001-11-01 [PMID: 11604514] (IP, ICC/IF, WB, Mouse, Human)

Hyun TS, Rao DS, Saint-Dic D, Michael LE, Kumar PD, Bradley SV, Mizukami IF, Oravec-Wilson KI, Ross TS. HIP1 and HIP1r stabilize receptor tyrosine kinases and bind 3-phosphoinositides via epsin N-terminal homology domains. *J Biol Chem*;279(14):14294-306. 2004-04-02 [PMID: 14732715] (ICC/IF, Human)

Bradley SV, Smith MR, Hyun TS, Lucas PC, Li L, Antonuk D, Joshi I, Jin F, Ross TS. Aberrant Huntingtin interacting protein 1 in lymphoid malignancies. *Cancer Res*;67(18):8923-31. 2007-09-15 [PMID: 17875735]

Bradley SV, Holliec, Liu GY, Thomas D, Hyun TS, Ross TS. Huntingtin interacting protein 1 is a novel brain tumor marker that associates with epidermal growth factor receptor. *Cancer Res*;67(8):3609-15. 2007-04-15 [PMID: 17440072] (IHC-P, Human)

Mills IG et al. Huntingtin interacting protein 1 modulates the transcriptional activity of nuclear hormone receptors. *J Cell Biol*; 70: 191-200. 2005-01-01 [PMID: 16027218] (Chemotaxis, Human)

Bradley SV, Oravec-Wilson KI, Bougeard G, Mizukami I, Li L, Munaco AJ, Sreekumar A, Corradetti MN, Chinnaiyan AM, Sanda MG, Ross TS. Serum antibodies to huntingtin interacting protein-1: a new blood test for prostate cancer. *Cancer Res*;65(10):4126-33. 2005-05-15 [PMID: 15899803] (WB, Human, Mouse)

Procedures

Western Blot protocol for HIP1 Antibody (NB300-203)

HIP1 Antibody (4B10):

Western Blot Procedure

1. Run 25 ug/lane of protein (ie: HeLa whole cell extract) on a 10% SDS-PAGE gel.
2. Transfer the proteins to nitrocellulose.
3. Block the membrane with a standard blocking buffer (5% NFDM in TBST), overnight at 4 deg C.
4. Dilute the anti-HIP1 in 1% NFDM in TBST and incubate for 1hour at RT.
5. Wash the membrane, 3x 5-10 minutes.
6. Dilute the secondary antibody [anti-mouse IgG conjugated to HRP] in 1% NFDM in TBST and incubate for 1hour at RT.
7. Wash the membrane, 3x 5-10 minutes.
8. Detect the protein-antibody complex via ECL.





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Products Related to NB300-203

NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

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

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