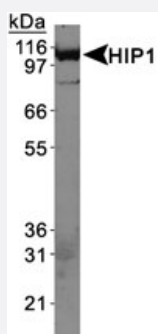


HIP1 monoclonal antibody, clone 4B10

Catalog # MAB2340 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot Analysis of HIP1 in HeLa whole cell extracts using HIP1 monoclonal antibody, clone 4B10 (Cat #MAB2340).

Specification

Product Description	Mouse monoclonal antibody raised against HIP1.
Immunogen	Human 3'-HIP1.
Host	Mouse
Theoretical MW (kDa)	65
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Western Blot (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot Analysis of HIP1 in HeLa whole cell extracts using HIP1 monoclonal antibody, clone 4B10 (Cat #MAB2340).

Gene Info — HIP1

Entrez GeneID [3092](#)

Protein Accession# [O00291](#)

Gene Name HIP1

Gene Alias ILWEQ, MGC126506

Gene Description huntingtin interacting protein 1

Omim ID [176807 601767](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The product of this gene is a membrane-associated protein that colocalizes with huntingtin. This protein has similarities to cytoskeleton proteins and its interaction with huntingtin is thought to play a functional role in the cell filament network. Loss of normal huntingtin-HIP1 interaction in Huntington disease may contribute to a defect in membrane-cytoskeletal integrity in the brain. This gene could help in the understanding of the normal function of huntingtin and also the pathogenesis of Huntington disease. It also has been implicated in the pathogenesis of hematopoietic malignancies. An alternative splice variant of this gene has been described but its full length sequence has not been determined. [provided by RefSeq]

Other Designations -

Publication Reference

- [Huntingtin interacting protein 1 modulates the transcriptional activity of nuclear hormone receptors.](#)

Mills IG, Gaughan L, Robson C, Ross T, McCracken S, Kelly J, Neal DE.

The Journal of Cell Biology 2005 Jul; 170(2):191.

Application: ChIP, IF, IP, WB-Ce, WB-Tr, Human, Monkey, COS-7, LNCaP cells

- [HIP1 and HIP1r stabilize receptor tyrosine kinases and bind 3-phosphoinositides via epsin N-terminal homology domains.](#)

Hyun TS, Rao DS, Saint-Dic D, Michael LE, Kumar PD, Bradley SV, Mizukami IF, Oravec-Wilson KI, Ross TS.

The Journal of Biological Chemistry 2004 Apr; 279(14):14294.

Application: IF, WB-Tr, Human, Monkey, 293T, COS-7 cells

- [Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival.](#)

Rao DS, Hyun TS, Kumar PD, Mizukami IF, Rubin MA, Lucas PC, Sanda MG, Ross TS.

The Journal of Clinical Investigation 2002 Aug; 110(3):351.

Application: IHC-P, WB-Ce, Human, Mouse, Colon cancers, Human cancer cell lines, Human tissues, Prostate cancers

- [Huntingtin interacting protein 1 is a clathrin coat binding protein required for differentiation of late spermatogenic progenitors.](#)

Rao DS, Chang JC, Kumar PD, Mizukami I, Smithson GM, Bradley SV, Parlow AF, Ross TS.

Molecular and Cellular Biology 2001 Nov; 21(22):7796.

Application: IF, IHC, IP, WB-Ti, WB-Tr, Human, Mouse, Brains, Testes, HEK 293T cells, Seminiferous tubules

Disease

- [Huntington disease](#)