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HIP1 Antibody (clone 1F12)
Mouse Monoclonal Antibody
Catalog # ALS14667

Specification

HIP1 Antibody (clone 1F12) - Product Information

Application	**WB, IP, IHC**
Primary Accession	O00291
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**116kDa KDa**

HIP1 Antibody (clone 1F12) - Additional Information

Gene ID 3092

Other Names
Huntingtin-interacting protein 1, HIP-1, Huntingtin-interacting protein I, HIP-I, HIP1

Target/Specificity
Human HIP1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
HIP1 Antibody (clone 1F12) is for research use only and not for use in diagnostic or therapeutic procedures.

HIP1 Antibody (clone 1F12) - Protein Information

Name HIP1

Function
Plays a role in clathrin-mediated endocytosis and trafficking (PubMed:11532990, PubMed:11577110, PubMed:11889126). Involved in regulating AMPA receptor trafficking in the central nervous system in an NMDA-dependent manner (By similarity). Regulates presynaptic nerve terminal activity (By similarity). Enhances androgen receptor (AR)- mediated transcription (PubMed:16027218). May act as a proapoptotic protein that induces cell death by acting through the intrinsic apoptosis pathway (PubMed:11007801). Binds 3-phosphoinositides (via ENTH domain) (PubMed:14732715). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases

following ligand-induced endocytosis (PubMed:14732715). May play a functional role in the cell filament networks (PubMed:18790740). May be required for differentiation, proliferation, and/or survival of somatic and germline progenitors (PubMed:11007801, PubMed:12163454).

Cellular Location
Cytoplasm. Nucleus. Endomembrane system. Cytoplasmic vesicle, clathrin-coated vesicle membrane. Note=Shuttles between cytoplasm and nucleus. Nuclear translocation can be induced by AR

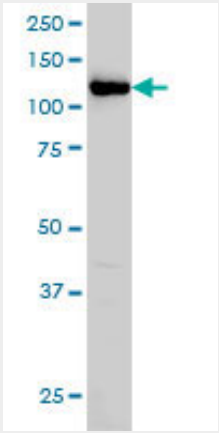
Tissue Location
Ubiquitously expressed with the highest level in brain. Expression is up-regulated in prostate and colon cancer

HIP1 Antibody (clone 1F12) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIP1 Antibody (clone 1F12) - Images



HIP1 monoclonal antibody, clone 1F12 Western blot of HIP1 expression in HeLa.

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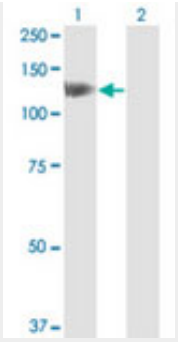
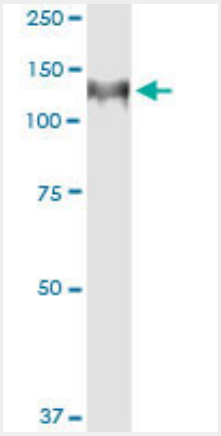
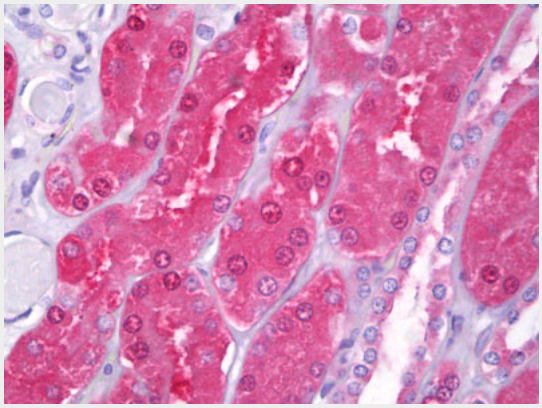


Western blot of HIP1 expression in transfected 293T cell line by HIP1 monoclonal antibody, clone...



Immunoprecipitation of HIP1 transfected lysate using anti-HIP1 monoclonal antibody and Protein A...



Anti-HIP1 antibody IHC of human kidney, tubules.

HIP1 Antibody (clone 1F12) - Background

Plays a role in clathrin-mediated endocytosis and trafficking. Involved in regulating AMPA receptor trafficking in the central nervous system in an NMDA-dependent manner. Enhances androgen receptor (AR)-mediated transcription. May act as a proapoptotic protein that induces cell death by acting through the intrinsic apoptosis pathway. Binds 3-phosphoinositides (via ENTH domain). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis. May play a functional role in the cell filament networks. May be required for differentiation, proliferation, and/or survival of somatic and germline progenitors.

HIP1 Antibody (clone 1F12) - References

Kim R.N.,et al.Submitted (JUL-2013) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Gervais F.G.,et al.Nat. Cell Biol. 4:95-105(2002).
Huq A.H.M.M.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.