

# **HIP1 Antibody (clone 1F12)**

Mouse Monoclonal Antibody Catalog # ALS14667

# **Specification**

## HIP1 Antibody (clone 1F12) - Product Information

Application WB, IP, IHC
Primary Accession
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:<a

href="http://www.uniprot.org/citations/11532990" target="\_blank">11532990</a>, PubMed:<a href="http://www.uniprot.org/citations/11577110" target="\_blank">11577110</a>, PubMed:<a href="http://www.uniprot.org/citations/11889126" target="\_blank">11889126</a>). 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:<a

href="http://www.uniprot.org/citations/16027218" target="\_blank">16027218</a>). May act as a proapoptotic protein that induces cell death by acting through the intrinsic apoptosis pathway (PubMed:<a href="http://www.uniprot.org/citations/11007801" target="\_blank">11007801</a>). Binds 3-phosphoinositides (via ENTH domain) (PubMed:<a

href="http://www.uniprot.org/citations/14732715" target="\_blank">14732715</a>). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases



following ligand-induced endocytosis (PubMed:<a

href="http://www.uniprot.org/citations/14732715" target="\_blank">14732715</a>). May play a functional role in the cell filament networks (PubMed:<a

href="http://www.uniprot.org/citations/18790740" target="\_blank">18790740</a>). May be required for differentiation, proliferation, and/or survival of somatic and germline progenitors (PubMed:<a href="http://www.uniprot.org/citations/11007801" target="\_blank">11007801</a>, PubMed:<a href="http://www.uniprot.org/citations/12163454" target="\_blank">12163454</a>).

### **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**

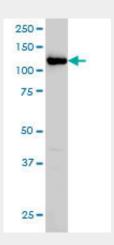
Ubiquitously expressed with the highest level in brain. Expression is up-regulated in prostate and colon cancer

# HIP1 Antibody (clone 1F12) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# HIP1 Antibody (clone 1F12) - Images

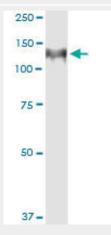


HIP1 monoclonal antibody, clone 1F12 Western blot of HIP1 expression in HeLa.

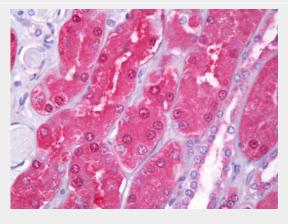




Western blot of HIP1 expression in transfected 293T cell line by HIP1 monoclonal antibody, clone...



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





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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.