

HIP1 Polyclonal Antibody

Catalog No: #42205

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Description

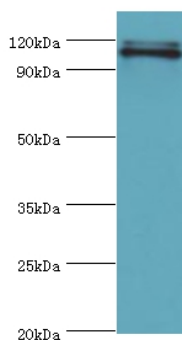
Product Name	HIP1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total HIP1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Huntingtin-interacting protein 1 protein(410-690aa)
Target Name	HIP1
Other Names	HIP-1, Huntingtin-interacting protein I, HIP-I
Accession No.	Swiss-Prot#: O00291
Uniprot	O00291
GeneID	3092;
Calculated MW	116kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

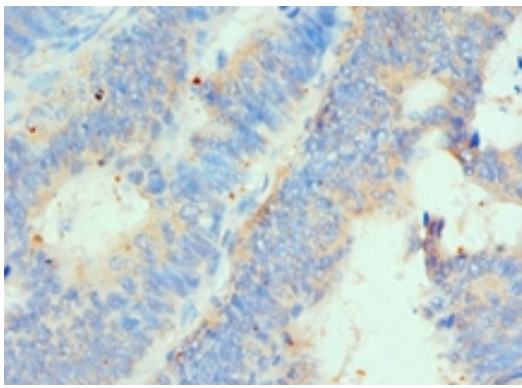
Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

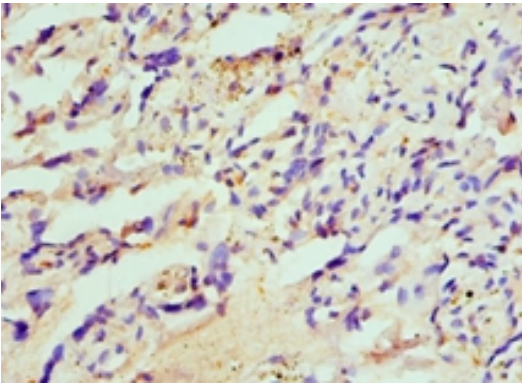
Images



All lanes: HIP1 antibody at 4ug/ml + A549 whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size : 116KDa
observed band size : 116kDa



Immunohistochemical analysis of paraffin-embedded human colorectal carcinoma using #42205 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human placenta using #42205 at dilution of 1:100.

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.

References

[1]Crystal structure at 2.8 Å of Huntingtin-interacting protein 1 (HIP1) coiled-coil domain reveals a charged surface suitable for HIP1 protein interactor (HIPPI)." Niu Q., Ybe J.A.J. Mol. Biol. 375:1197-1205(2008). [2]Crystal structure at 2.8 Å of the DLLRKN-containing coiled-coil domain of huntingtin-interacting protein 1 (HIP1) reveals a surface suitable for clathrin light chain binding."Ybe J.A., Mishra S., Helms S., Nix J.J. Mol. Biol. 367:8-15(2007).

Note: This product is for in vitro research use only