

HIP1 Rabbit mAb

Catalog # AP77857

Product Information

Application	WB, IF, ICC, IP
Primary Accession	O00291
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human HIP1
Purification	Affinity Chromatography
Calculated MW	116221

Additional Information

Gene ID	3092
Other Names	HIP1
Dilution	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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).

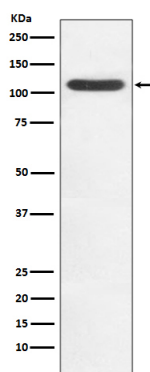
Cellular Location

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

Images



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