JIP-3 Rabbit pAb

CatalogNo: YT2436

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,ELISA

MW
- 170kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:20000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human JIP3. AA range:621-670
Specificity	JIP-3 Polyclonal Antibody detects endogenous levels of JIP-3 protein.

Target Information

Gene name MAPK8IP3

Protein Name C-Jun-amino-terminal kinase-interacting protein 3

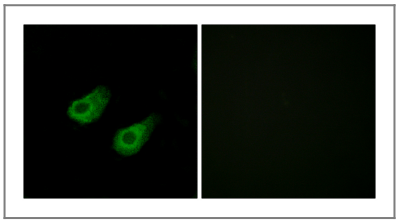
Organism	Gene ID	UniProt ID
Human	23162;	Q9UPT6;
Mouse	30957;	Q9ESN9;

Cellular Localization Cytoplasm . Golgi apparatus . Cytoplasmic vesicle . Cell projection, growth cone . Cell projection, axon . Cell projection, dendrite . Cytoplasm, perinuclear region . Localized in the soma and growth cones of differentiated neurites and the Golgi and vesicles of the early secretory compartment of epithelial cells. KIF5A/B/C-mediated transportation to axon tips is essential for its function in enhancing neuronal axon elongation. .

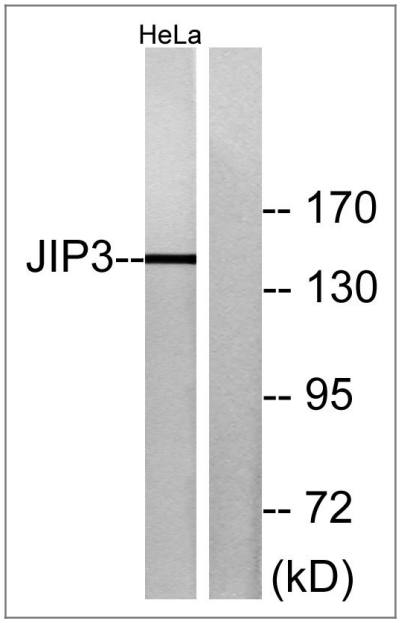
Tissue specificity Brain,Epithelium,Melanoma,Spleen,

Function Function:The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module. May function as a regulator of vesicle transport, through interations with the JNK-signaling components and motor proteins.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the JIP scaffold family.,subunit:Forms homo- or heterooligomeric complexes. The central region of MAPK8IP3 interacts with the C-terminal of MAPK8IP2 but not MAPK8IP1. Binds specific components of the JNK signaling pathway namely MAPK8, MAPK9 and MAPK10 to the N-terminal region, MAP2K4 and MAP2K7 to the central region and MAP3K11 to the C-terminal region. Binds the TPR motif-containing C-terminal of kinesin light chain, KLC1. Pre-assembled MAPK8IP1 scaffolding complexes are then transported as a cargo of kinesin, to the required subcellular location.,

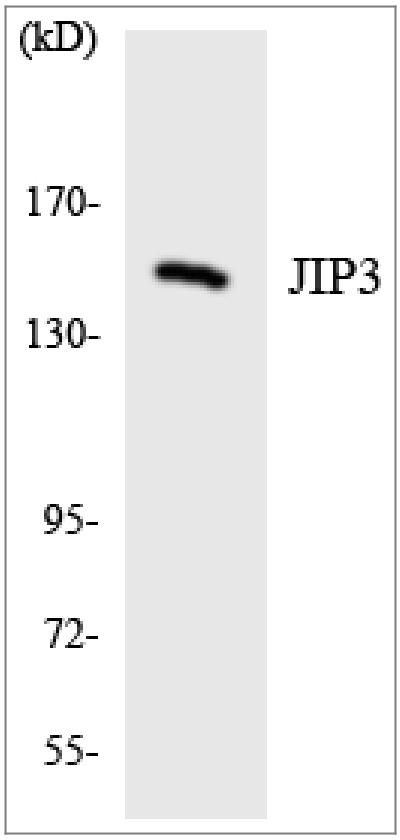
Validation Data



Immunofluorescence analysis of HeLa cells, using JIP3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using JIP3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using JIP3 antibody.

Contact information

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Please scan the QR code to access additional product information:
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