Product Name: JIP-2 Rabbit Polyclonal Antibody
Catalog #: APRab12836
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	87kDa

Antigen Information

Gene Name	MAPK8IP2
Alternative Names	MAPK8IP2; IB2; JIP2; PRKM8IPL; C-Jun-amino-terminal kinase-interacting protein 2; JIP-2; JNK-interacting protein 2; Islet-brain-2; IB-2; JNK MAP kinase scaffold protein 2; Mitogen-activated protein kinase 8-interacting protein 2
Gene ID	23542.0
SwissProt ID	Q13387
Immunogen	The antiserum was produced against synthesized peptide derived from human JIP2. AA range:581-630

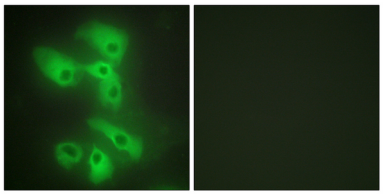
Background

The protein encoded by this gene is closely related to MAPK8IP1/IB1/JIP-1, a scaffold protein that is involved in the c-Jun amino-terminal kinase signaling pathway. This protein is expressed in brain and pancreatic cells. It has been shown to interact with, and regulate the activity of MAPK8/JNK1, and MAP2K7/MKK7 kinases. This protein thus is thought to function as a regulator of signal transduction by protein kinase cascade in brain and pancreatic beta-cells. [provided by RefSeq, Feb 2014],alternative products:Experimental confirmation may be lacking for some isoforms,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. JIP2 inhibits IL1 beta-induced apoptosis in insulin-secreting cells. May function as a regulator of vesicle transport, through interations with the JNK-signaling components and motor proteins.,similarity:Belongs to the JIP scaffold family.,similarity:Contains 1 PID domain.,similarity:Contains 1 SH3 domain.,subcellular location:Accumulates in cell surface projections.,subunit:Forms homo- or heterooligomeric complexes. Binds specific components of the JNK signaling pathway namely JNK, MAPKK7 and MLK2, MLK3 and DLK. Also binds the proline-rich domain-containing splice variant of apolipoprotein E receptor 2 (ApoER2). Binds the cytoplasmic tails of LRP1 and LRP2 (Megalin). 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 (By similarity). Interacts with the cytoplasmic domain of APP.,tissue specificity:Expressed mainly in the brain and pancreas, including insulin-secreting cells. In the nervous system, more abundantly expressed in the cerebellum, pituitary gland, occipital lobe and the amygdala. Also expressed in fetal brain. Very low levels found in uterus, ovary, prostate, colon, testis, adrenal gland, thyroid gland and salivary gland.,

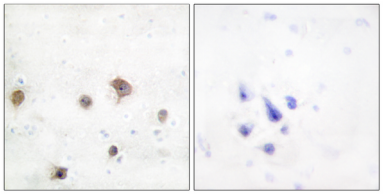
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;

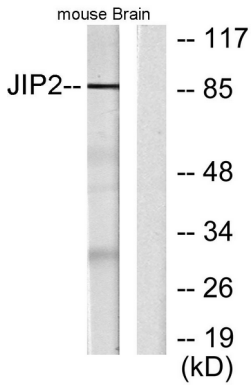
Image Data



Immunofluorescence analysis of HeLa cells, using JIP2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using JIP2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse brain, using JIP2 Antibody. The lane on the right is blocked with the synthesized peptide.