

### JIP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51328

### **Specification**

### JIP2 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, ICC, IHC-P, E
O13387
Human, Mouse
Rabbit
Polyclonal
88 KDa

### JIP2 Antibody - Additional Information

### **Gene ID 23542**

#### **Other Names**

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, MAPK8IP2, IB2, JIP2, PRKM8IPL

# **Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human JIP2. The exact sequence is proprietary.

#### **Dilution**

WB~~1:1000 ICC~~N/A IHC-P~~N/A E~~N/A

#### **Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

#### Storage

Store at -20 °C.Stable for 12 months from date of receipt

### JIP2 Antibody - Protein Information

#### Name MAPK8IP2

Synonyms IB2, JIP2, PRKM8IPL

## **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 interactions with the JNK-signaling components and motor proteins (By similarity).

#### **Cellular Location**

Cytoplasm. Note=Accumulates in cell surface projections

#### **Tissue Location**

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

## JIP2 Antibody - Protocols

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

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

# JIP2 Antibody - Images

# JIP2 Antibody - Background

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 interactions with the JNK-signaling components and motor proteins (By similarity).

### JIP2 Antibody - References

Yasuda J., et al. Mol. Cell. Biol. 19:7245-7254(1999). Negri S., et al. Genomics 64:324-330(2000).

Dunham I., et al. Nature 402:489-495(1999).

Adams M.D., et al. Submitted (JUN-1996) to the EMBL/GenBank/DDBJ databases.

Collins J.E., et al. Genome Res. 13:27-36(2003).