

**JIP2/IB2 Antibody**  
**JIP2/IB2 Antibody, Clone S135-37**  
**Catalog # ASM10297****Specification**

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**JIP2/IB2 Antibody - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB                          |
| Primary Accession | <a href="#">O9ERE9</a>      |
| Other Accession   | <a href="#">NP_068740.3</a> |
| Host              | Mouse                       |
| Isotype           | IgG1                        |
| Reactivity        | Human, Mouse, Rat           |
| Clonality         | Monoclonal                  |

**Description**

Mouse Anti-Mouse JIP2/IB2 Monoclonal IgG1

**Target/Specificity**

Detects ~>100 kDa. Does not cross-react with JIP-1/IB-1.

**Other Names**

MAPK8IP2 Antibody, C jun amino terminal kinase interacting protein 2 Antibody, C-jun-amino-terminal kinase-interacting protein 2 Antibody, Homologous to mouse JIP 1 Antibody, IB 2 Antibody, IB-2 Antibody, IB2 Antibody, Islet brain 2 Antibody, Islet-brain-2 Antibody, JIP 2 Antibody, JIP-2 Antibody, JIP2 Antibody, JNK interacting protein 2 Antibody, JNK MAP kinase scaffold protein 2 Antibody, JNK MAP kinase scaffold protein JIP2 Antibody, JNK-interacting protein 2 Antibody, MAPK8IP2 Antibody, Mitogen activated protein kinase 8 interacting protein 2 Antibody, Mitogen-activated protein kinase 8-interacting protein 2 Antibody, PRKM8 interacting protein like Antibody, PRKM8IPL Antibody

**Immunogen**

Fusion protein amino acids 226-421 of mouse JIP-2/IB-2. Rat: 94% identity (127/135 amino acids identical). Human: 86% identity (173/200 amino acids identical) >50% identity with JIP-1.

**Purification**

Protein G Purified

Storage **-20°C**

**Storage Buffer**

PBS pH 7.4, 50% glycerol, 0.1% sodium azide

Shipping Temperature

**Blue Ice or 4°C**

**Certificate of Analysis**

1 µg/ml of SMC-465 was sufficient for detection of JIP2/IB2 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

**Cellular Localization**

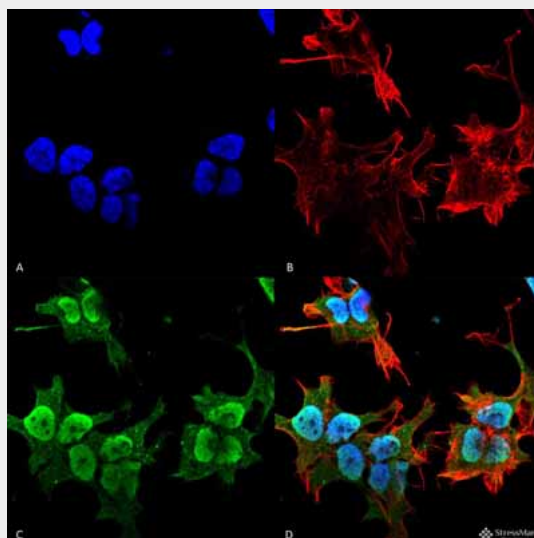
Cytoplasm

**JIP2/IB2 Antibody - Protocols**

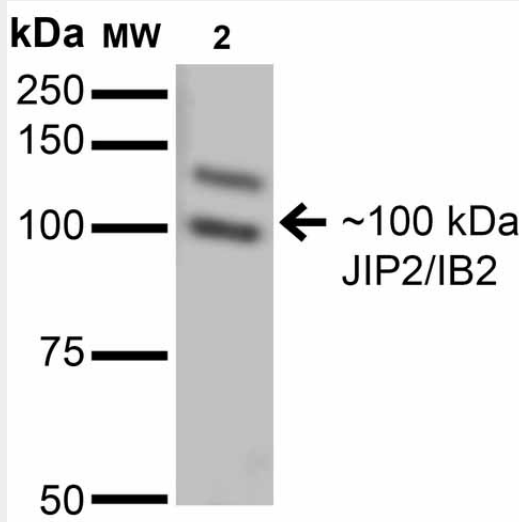
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### JIP2/IB2 Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-JIP2/IB2 Monoclonal Antibody, Clone S135-37 (ASM10297). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-JIP2/IB2 Monoclonal Antibody (ASM10297) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) JIP2/IB2 Antibody (D) Composite.



Western Blot analysis of Monkey COS cells transiently transfected with Flagtagged JIP-1 showing detection of ~100 kDa JIP2/IB2 protein using Mouse Anti-JIP2/IB2 Monoclonal Antibody, Clone S135-37 (ASM10297). Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transiently transfected with Flagtagged JIP-1. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-JIP2/IB2 Monoclonal Antibody (ASM10297) at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~100 kDa.

### **JIP2/IB2 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. It is expressed mainly in the cerebellum, pituitary gland, occipital lobe, and the amygdala of the brain, but also in the pancreas, including insulin-secreting cells.