

Datasheet for ABIN968696

anti-MAPK8IP1 antibody (AA 180-384)[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	50 µg
Target:	MAPK8IP1
Binding Specificity:	AA 180-384
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAPK8IP1 antibody is un-conjugated
Application:	Western Blotting (WB), Fluorescence Microscopy (FM)

Product Details

Immunogen:	Mouse JIP-1 aa. 180-384
Clone:	50-JIP
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Source of all serum proteins is from USDA inspected abattoirs located in the United States.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Please refer to us for technical protocols.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	MAPK8IP1
Alternative Name:	JIP-1 (MAPK8IP1 Products)
Background:	<p>The JNK group of MAPKs is activated by a variety of inflammatory cytokines and environmental stressors. Activated JNK phosphorylates many cellular proteins, such as components of the AP-1 transcription factor complex (c-Jun and ATF-2). JNK-interacting proteins (JIPs) bind JNK, MKK7, MLKs, p190RhoGEF, and the Ste20-related protein kinase HPK1. In mouse, alternative splicing of JIP produces multiple splice variants, JIP-1, JIP-1b, JIP-2a, JIP-2b, and JIP-3. The structure of full length JIP consists of two N-terminal acidic regions, a JNK binding domain (JBD), two proline rich regions (PR), and both an SH3 and a phosphotyrosine-binding domain in the C-terminal region. JIP-1 localizes to the tips of neurites in differentiated PC12 cells, and may interact with JNK, MKK7, and MLK to facilitate formation of the JNK activating complex. IB1 is the rat homologue of JIP-1b, a JIP-1 variant that includes a 47 amino acid insert in the C-terminal region. IB1 is found in the nucleus and cytoplasm, and may function as a transactivator of the GLUT2 gene. Thus, JIP-1 and its related isoforms may have multiple functions that involve specific protein-protein interactions.</p> <p>Synonyms: JNK Interacting Protein</p>
Molecular Weight:	112 kDa

Application Details

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

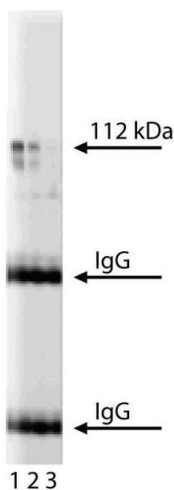
Publications

Product cited in: Meyer, Liu, Margolis: "Interaction of c-Jun amino-terminal kinase interacting protein-1 with p190 rhoGEF and its localization in differentiated neurons." in: **The Journal of biological chemistry**, Vol. 274, Issue 49, pp. 35113-8, (2000) ([PubMed](#)).

Bonny, Nicod, Waeber: "IB1, a JIP-1-related nuclear protein present in insulin-secreting cells." in: **The Journal of biological chemistry**, Vol. 273, Issue 4, pp. 1843-6, (1998) ([PubMed](#)).

Dickens, Rogers, Cavanagh, Raitano, Xia, Halpern, Greenberg, Sawyers, Davis: "A cytoplasmic inhibitor of the JNK signal transduction pathway." in: **Science (New York, N.Y.)**, Vol. 277, Issue 5326, pp. 693-6, (1997) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of JIP-1 on a mouse cerebellum lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of the mouse anti- JIP-1 antibody.