



# JIP-1 rabbit pAb

Cat No.:ES2659

For research use only

## Overview

<b>Product Name</b>	JIP-1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human JIP1. AA range:69-118
<b>Specificity</b>	JIP-1 Polyclonal Antibody detects endogenous levels of JIP-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	C-Jun-amino-terminal kinase-interacting protein 1
<b>Gene Name</b>	MAPK8IP1
<b>Cellular localization</b>	Cytoplasm . Cytoplasm, perinuclear region . Nucleus . Endoplasmic reticulum membrane. Mitochondrion membrane. Accumulates in cell surface projections. Under certain stress conditions, translocates to the perinuclear region of neurons. In insulin-secreting cells, detected in both the cytoplasm and nucleus (By similarity). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	113 78kD
<b>Human Gene ID</b>	9479
<b>Human Swiss-Prot Number</b>	Q9UQF2
<b>Alternative Names</b>	MAPK8IP1; IB1; JIP1; PRKM8IP;

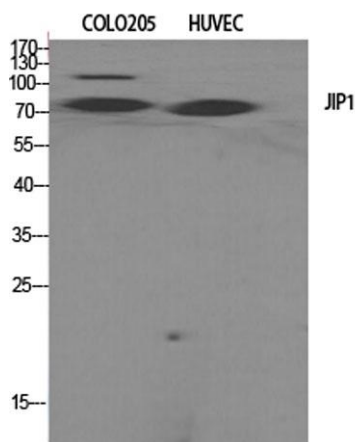




## Background

C-Jun-amino-terminal kinase-interacting protein 1;  
JIP-1; JNK-interacting protein 1; Islet-brain 1; IB-1;  
JNK MAP kinase scaffold protein 1;  
Mitogen-activated protein kinase 8-interacting  
protein 1

This gene encodes a regulator of the pancreatic beta-cell function. It is highly similar to JIP-1, a mouse protein known to be a regulator of c-Jun amino-terminal kinase (Mapk8). This protein has been shown to prevent MAPK8 mediated activation of transcription factors, and to decrease IL-1 beta and MAP kinase kinase 1 (MEKK1) induced apoptosis in pancreatic beta cells. This protein also functions as a DNA-binding transactivator of the glucose transporter GLUT2. RE1-silencing transcription factor (REST) is reported to repress the expression of this gene in insulin-secreting beta cells. This gene is found to be mutated in a type 2 diabetes family, and thus is thought to be a susceptibility gene for type 2 diabetes. [provided by RefSeq, May 2011],



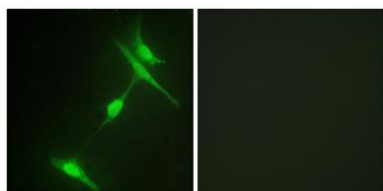
Western Blot analysis of various cells using JIP-1  
Polyclonal Antibody





Western Blot analysis of COLO205 cells using JIP-1 Polyclonal Antibody

Immunofluorescence analysis of NIH/3T3 cells, using JIP1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using JIP1 Antibody. The picture on the right is blocked with the synthesized peptide.

