ELK Biotechnology

JIP-1 (phospho Thr103) rabbit pAb

Cat No.:ES8048

For research use only

Overview

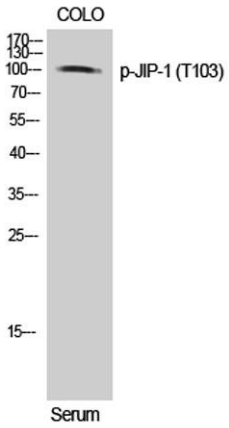
Product Name	JIP-1 (phospho Thr103) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human JIP1 around the phosphorylation site of Thr103. AA range:69-118
Specificity	Phospho-JIP-1 (T103) Polyclonal Antibody detects endogenous levels of JIP-1 protein only when phosphorylated at T103.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	C-Jun-amino-terminal kinase-interacting protein 1
Gene Name	MAPK8IP1
Cellular localization	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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	113kD
Human Gene ID	9479

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

ELK Biotechnology

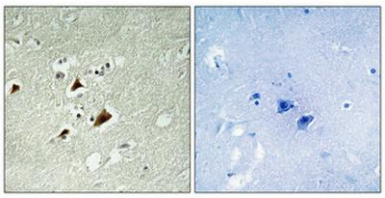
Human Swiss-Prot Number	Q9UQF2
Alternative Names	MAPK8IP1; IB1; JIP1; PRKM8IP; C-Jun-amino-terminal kinase-interacting protein 1; JIP-1; JNK-interacting protein 1; Islet-brain 1; IB-1; JNK MAP kinase scaffold protein 1; Mitogen-activated protein kinase 8-interacting protein 1
Background	This gene encodes 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],



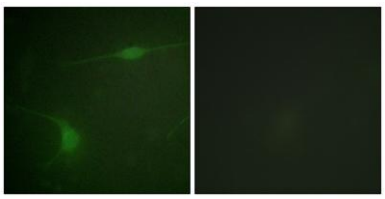
Western Blot analysis of COLO cells using Phospho-JIP-1 (T103) Polyclonal Antibody

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com
23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

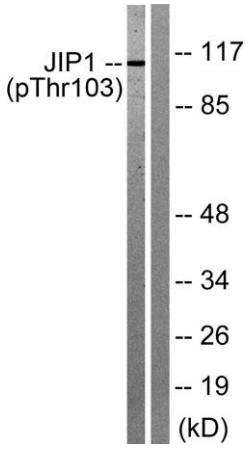
ELK Biotechnology



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of NIH/3T3 cells, using JIP1 (Phospho-Thr103) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COLO205 cells treated with Serum 20% 15', using JIP1 (Phospho-Thr103) Antibody. The lane on the right is blocked with the phospho peptide.

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C