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Product datasheet for TA809926M

JIP1 (MAPK8IP1) Mouse Monoclonal Antibody [Clone ID: OTI13F10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI13F10
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MAPK8IP1 (NP_005447) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	77.3 kDa
Gene Name:	mitogen-activated protein kinase 8 interacting protein 1
Database Link:	NP_005447 Entrez Gene 19099 MouseEntrez Gene 116457 RatEntrez Gene 9479 Human Q9UQF2

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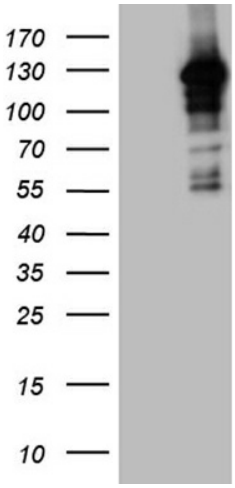
Background: This gene encodes a regulator of the pancreatic beta-cell function. It is highly similar to JIP-1, a mouse protein known to be a regulator of c-Jun amino-terminal kinase (Mapk8). This protein has been shown to prevent MAPK8 mediated activation of transcription factors, and to decrease IL-1 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]

Synonyms: IB1; JIP-1; JIP1; PRKM8IP

Protein Families: Druggable Genome

Protein Pathways: MAPK signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAPK8IP1 ([RC209734], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAPK8IP1 (1:2000). Positive lysates [LY417296] (100ug) and [LC417296] (20ug) can be purchased separately from OriGene.