

Product datasheet for **TA351309**

JIP1 (MAPK8IP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse kidney tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human MAPK8IP1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 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

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.



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Synonyms: IB1; JIP-1; JIP1; PRKM8IP

Protein Families: Druggable Genome

Protein Pathways: MAPK signaling pathway

Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: Mouse kidney tissue
Primary antibody: TA351309 (MAPK8IP1 Antibody) at dilution 1/50
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 minutes