### bs-6255R

## [ Primary Antibody ]

# BIOSS ANTIBODIES

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# JIP1/MAPK8IP1 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 9479 **SWISS:** Q9UQF2

Target: JIP1/MAPK8IP1

**Immunogen:** KLH conjugated synthetic peptide derived from human

JIP1/MAPK8IP1: 425-524/711.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**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.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Rat

(predicted: Mouse, Pig, Sheep, Cow, Dog, Horse)

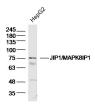
Predicted \_\_

**MW.:** <sup>77 kDa</sup>

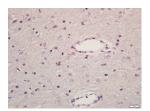
**Subcellular** Extracellular matrix ,Cell **Location:** membrane ,Cytoplasm

,Nucleus

#### VALIDATION IMAGES



Sample: HepG2 cell (human) Lysate at 40 ug Primary: Anti- JIP1/MAPK8IP1 (bs-6255R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 77 kD Observed band size: 77 kD



Tissue/cell: rat brain tissue; 4%
Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MAPK8IP1 Polyclonal Antibody, Unconjugated(bs-6255R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining