



MAP KINASE 8-INTERACTING PROTEIN 2/JIP2 RABBIT POLYCLONAL ANTIBODY

Catalog Number: PBT-3003

Description: c-Jun amino-terminal kinase (JNK) is a member of the stress-activated group of mitogen-activated protein (MAP) kinases that are implicated in the control of cell growth. The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module. JIP2 plays a number of roles including IL1 beta-induced apoptosis inhibition in insulin-secreting cells; may function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins; interacts with components of the JNK signaling pathway namely JNK, MAPKK7 and MLK2, MLK3 and DLK; binds the proline-rich domain-containing splice variant of apolipoprotein E receptor 2 (ApoER2), the cytoplasmic tails of LRP1 and LRP2 (Megalin), the TPR motif-containing C-terminal of kinesin light chain and interacts with the cytoplasmic domain of APP. This protein has been classified as a housekeeping protein based on its essential role in cell physiology. Several splice variants are known with molecular weights (kDa)/pIs of 88.0/4.36 (isoform 1), 84.7/4.40 (isoform 2), 64.9/4.48 (isoform 3), 49.1/4.49 (isoform 4).

Size: 100 µg
The vial is provided with a 10% overfill. Maximum recovery can be obtained by centrifuging the vial briefly to collect any solution on the cap and tube sides.

Species Cross-Reactivity: Human, primate

Application/Dilutions: Western blot: 0.2 – 1.0 µg/ml

Source: Rabbits were immunized with a synthetic peptide, n-LEYYQEHLAYACPTEDIYLE-c, based on a C-terminal sequence conserved in all isoforms of human and primate JIP2, differing from mouse, rat and canine JIP2 by a single amino acid substitution.

Form/Storage: 100 µg peptide affinity purified IgG with 50% glycerol, 1 mg/ml BSA and 0.01% sodium azide. Store at -20° C. Avoid multiple freeze/thaw cycles.

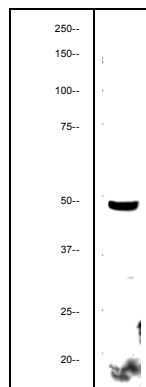


Fig. 1 – Anti-JIP2 (0.5 mg/ml) detection of isoform 4 in HeLa cell lysate.

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