

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat JIP1 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human JIP1 Met531-Asp666 Accession # Q6NUQ9
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

JNK-interacting proteins (JIPs) comprise a family of four scaffolding proteins that tether and assemble components of the JNK signaling cascade. JIP1, also known as islet-brain 1 (IB1) and mitogen-activated protein kinase 8-interacting protein 1 (MAPK8IP1), contains an N-terminal JNK-binding domain, and C-terminal MLK- and MKK7-binding domains. JIP1 is ubiquitously expressed, with highest levels in brain and in pancreatic β-cells. Mice lacking JIP1 are resistant to diet-induced obesity and show reduced diet-induced insulin resistance.

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