

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat JNK2, expressed as p46 JNK (isoforms 2 and/or 3, both 382 aa) and p54 JNK (isoforms 1 and/or 4, both 424 aa) in Western blots. Does not detect recombinant JNK1 or JNK3.
Source	Monoclonal Mouse IgG _{2B} Clone # 252320
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human JNK2 isoform 2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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

The c-Jun N-terminal kinases (JNKs) are encoded by three genes: JNK1, JNK2, and JNK3. Members of the MAPK superfamily, JNKs are activated by environmental stresses and inflammatory cytokines. JNK1, also known as SAPK1γ and MAPK8, is expressed as four isoforms generated by alternative splicing. JNK1 is activated by dual phosphorylation at T183 and Y185 by the MAPK kinases MKK4 and/or MKK7.

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