

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MKK7 in Western blots. Does not cross-react with other recombinant human mitogen-activated protein kinase kinases.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MKK7 Met1-Arg419 Accession # O14733
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.

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

Mitogen-activated protein kinase kinase 7 (MKK7 or MAP2K7), also known as MEK7 and Jun kinase kinase 2 (JNKK2), is activated by proinflammatory cytokines and environmental stresses. Activation occurs through phosphorylation at Ser271 and Thr275 by several upstream MAPK kinase kinases (MAP3Ks). MKK7 is a dual specificity protein kinase, phosphorylating and activating the JNK family of MAP kinases at Thr and Tyr positions within the phosphoacceptor sequence Thr-Pro-Tyr.

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