

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Sin1/MAPKAP1 in ELISA.
Source	Monoclonal Mouse IgG _{2A} Clone # 752219
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Sin1/MAPKAP1 Lys408-Gln522 Accession # Q9BPZ7
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

MAPKAP1 (mitogen-activated protein kinase (MAPK) associated protein-1), also called Mip1 (MAPK interacting protein 1) or Sin1 (stress-activated protein kinase (SAPK) interacting 1), is a widely expressed 59-65 kDa cytoplasmic phosphoprotein. MAPKAP1 binds to inactive forms of signaling molecules such as MEKK2 and Ras. Alternate mRNA splicing potentially creates isoforms of 323, 330, 372, 475, 486 and 522 amino acids (aa) in humans. The human MAPKAP1 region used as an immunogen is included in all except the smallest isoform, and shares 96% aa sequence identity with mouse and rat MAPKAP1.

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