

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MSK1 but not human MSK2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 252608
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MSK1 Met1-Ala802 Accession # O75582
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

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

Mitogen- and stress-activated protein kinase 1 (MSK1), also known as 90 kDa ribosomal protein S6 kinase 5 (RPS6KA5), belongs to the AGC family of kinases. Both MSK1 and the related MSK2 have two kinase domains connected by a regulatory linker region and are activated by the mitogen-activated protein kinases ERK1, ERK2, and p38. Nuclear MSK phosphorylates and activates a number of transcription factors, including ATF1 and CREB.

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