

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat ERK4.
Source	Monoclonal Rat IgG _{2A} Clone # 355810
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ERK4 Met1-Ala126 Accession # P31152
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.

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

Extracellular signal-regulated kinase 4 (ERK4) is a serine/threonine protein kinase also known as mitogen-activated protein kinase 4 (MAPK4), p63MAPK, and ERK3-related kinase. ERK4 and the structurally similar ERK3 (MAPK6) lack the phosphoacceptor sequence T-X-Y present in other MAPKs. ERK4 complexes with ERK3 to activate MAPK-activated protein kinase 5 (MK5), also known as PRAK.

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