

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ERK3 in direct ELISA and Western Blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 335102
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ERK3 Met344-Asn721 Accession # Q16659
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

Extracellular signal-regulated kinase 3 (ERK3) is a serine/threonine protein kinase also known as mitogen-activated protein kinase 6 (MAPK6) and p97MAPK. Unlike ERK1 and ERK2, ERK3 lacks the phosphoacceptor sequence T-E-Y in its activation loop. This kinase also possesses a unique C-terminal extension that is missing in traditional MAPKs. Highly unstable, ERK3 is rapidly degraded following N-terminal ubiquitination.

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