

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat ILK in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 443208
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ILK Met1-Lys452 Accession # Q13418
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

Integrin-linked kinase (ILK) is an ankyrin repeat-containing serine/threonine protein kinase that interacts with the cytoplasmic domain of $\beta 1$ and $\beta 3$ integrins. ILK functions with multiple binding partners to transmit signals from the extracellular matrix to actin filaments, regulating such processes as cellular attachment, cell cycle progression, and cytoskeletal organization. ILK kinase activity is induced by PI3 kinase and negatively regulated by the tumor suppressor PTEN.

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