

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat PINCH1 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 591604
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PINCH1 Ala2-Gly108 Accession # P48059
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.

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

Particularly interesting new Cys-His protein 1 (PINCH1), also known as LIMS1 (LIM and senescent cell antigen-like-containing domain protein 1), is a 37-40 kDa, widely expressed LIM-only protein. Human PINCH1 is 325 amino acids (aa) in length and contains a tandem array of five LIM domains. Within the region used as an immunogen, human PINCH1 shares 100% and 99% aa sequence identity with mouse and rat PINCH1, respectively. PINCH1 is an effector of integrin and growth factor signaling, coupling surface receptors to downstream signaling molecules involved in the regulation of cell survival, cell proliferation and cell differentiation.

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