

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mind Bomb 2/MIB2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 739505
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Mind Bomb 2/MIB2 Ala418-Lys520 Accession # Q96AX9
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

MIB-2 (Mind Bomb-2), also called skeletrophin, is a widely expressed, 1013 amino acid (aa) cytoplasmic phosphoprotein that is an E3 ubiquitin ligase for Notch ligands such as Jagged-2. It contains two MIB/HERC2 domains surrounding a ZZ-type zinc finger (aa 59-285), an ankyrin repeat domain (aa 522-856), and two RING-type zinc fingers that have E3 ubiquitin ligase activity (aa 890-1002). If short gaps in the protein sequence are ignored, human MIB-2 (aa 418-520) shares 95% and 92% aa identity with mouse and rat MIB-2, respectively. Eight alternately spliced isoforms of 672-1009 aa lack various sequences, but all contain aa 418-520. MIB-2 has been detected as a 70 kDa form in skeletal muscle, binds actin, and is downregulated in malignant melanoma.

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