

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat PTP-MEG2.
Source	Monoclonal Mouse IgG _{2B} Clone # 291835
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PTP-MEG2 Glu2-Gln593 Accession # P43378
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.

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

Megakaryocyte protein tyrosine phosphatase 2 (PTP-MEG2), also known as PTPN9, contains an N-terminal domain homologous to the yeast retinaldehyde binding domain Sec14p and a C-terminal phosphatase domain. The Sec14p domain targets PTP-MEG2 to the membrane of secretory vesicles, where it promotes vesicle fusion. Elevated levels of membrane-bound PTP-MEG2 activity in erythroid progenitor cells are observed in polycythemia vera and may affect responsiveness to colony stimulating factors.

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