

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat PRL-3 in Western blots. In Western blots, this antibody does not cross-react with recombinant human PRL-1 or PRL-2.
Source	Monoclonal Mouse IgG _{2B} Clone # 334402
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PRL-3 Ala2-Met173 Accession # O75365
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

Phosphatase of Regenerating Liver-3 (PRL-3), also known as PTP4A3, is an enzyme that removes phosphate modifications from tyrosine residues on proteins. Prenylation at the C-terminal end targets PRL-3 to membrane compartments in the cell, especially to early endosomes and the plasma membrane. Elevated levels of PRL-3 are observed in metastatic colorectal, ovarian, liver and skin cancers. PRL-3 levels may correlate with cell migration rates and tumor invasiveness.

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