

# Human/Mouse/Rat PRL-3/PTP4A3 Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 334402

Catalog Number: MAB3219

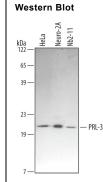
DESCRIPTION		
Species Reactivity	Human/Mouse/Rat	
Specificity	Detects endogenous human, mouse and rat PRL-3 in Western blots. In Western blots, this antibody does not cross-react with recombinant human PRL-1 or PRL-2.	
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 334402	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant human PRL-3 Ala2-Met173 Accession # O75365	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

#### 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.

	Recommended Concentration	Sample
Western Blot	0.3 μg/mL	See Below

## DATA



Detection of Human/Mouse/Rat PRL-3 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Neuro-2A mouse neuroblastoma cell line, and Nb2-11 rat lymphoma cell line. PVDF membrane was probed with 0.3 µg/mL of Human/Mouse/Rat PRL-3 Monoclonal Antibody (Catalog # MAB3219) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for PRL-3 at approximately 22 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

## PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  ■ 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

#### 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.

Rev. 2/7/2018 Page 1 of 1

