

Human PTPN13/PTPL1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 359313 Catalog Number: MAB3577

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects endogenous human PTPN13/PTPL1 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 359313
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human PTPN13/PTPL1 His2-Arg500 Accession # Q12923
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.

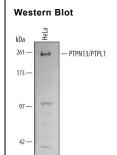
APPLICATIONS

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	1 μg/mL	See Below			

DATA

21 -



Detection of Human PTPN13/PTPL1 by Western Blot.

Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 μ g/mL of Human PTPN13/PTPL1 Monoclonal Antibody (Catalog # MAB3577) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for PTPN13/PTPL1 at approximately 260 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 4.

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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

Protein Tyrosine Phosphatase, Non-receptor Type 13, also called PTPN13, PTPL1, FAP-1, hPTP1E, and PTP-BAS, is a 260 kDa intracellular protein that removes phosphates from tyrosine residues. Genetic aberrations in PTPN13 have been reported in a wide variety of cancers, including bone, colon, hepatocellular, and germ cell line. Elevated levels of PTPN13 in cancer cell lines have also been correlated with resistance to Fas-induced apoptosis, possibly due to prevention of CD95 reaching the cell surface

Rev. 2/7/2018 Page 1 of 1

