

Human PTPβ/ζ/PTPRZ Antibody

Monoclonal Rat IgG₁ Clone # 279244 Catalog Number: MAB2688

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human PTPβ/ζ/PTPRZ in Western blots.
Source	Monoclonal Rat IgG ₁ Clone # 279244
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human PTPβ/ζ/PTPRZ Gly302-Asn754 Accession # P23471
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.

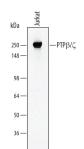
APPLICATIONS

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

Western Blot



Detection of Human PTP β / ζ /PTPRZ by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 1 µg/mL of Rat Anti-Human PTP β / ζ /PTPRZ Monoclonal Antibody (Catalog # MAB2688) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for PTPβ/ζ/PTPRZ at approximately 250 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

Protein tyrosine phosphatase beta/zeta (PTPβ/ζ), also known as PTPRZ, is a member of the receptor-type protein-tyrosine phosphatase family. This phosphatase is involved in the regulation of specific developmental processes in the central nervous system. A protein of 2,307 amino acids, PTPRZ is membrane-spanning with two cytoplasmic protein tyrosine phosphatase domains and an extracellular domain.

Rev. 2/7/2018 Page 1 of 1

