

DESCRIPTION

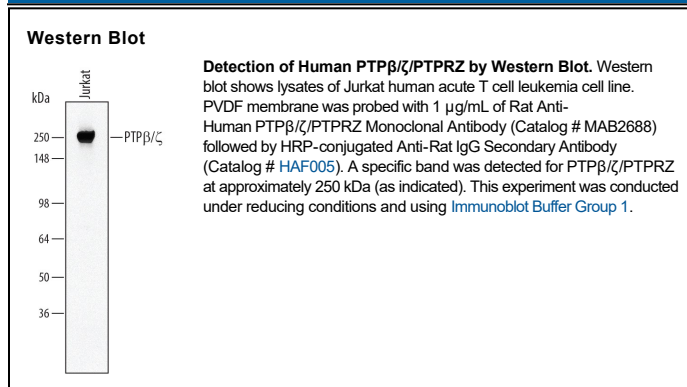
Species Reactivity	Human
Specificity	Detects human PTPβ/ζ/PTPRZ in Western blots.
Source	Monoclonal Rat IgG ₁ Clone # 279244
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PTPβ/ζ/PTPRZ Gly302-Asn754 Accession # P23471
Formulation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



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. <ul style="list-style-type: none"> ● 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.