

DESCRIPTION

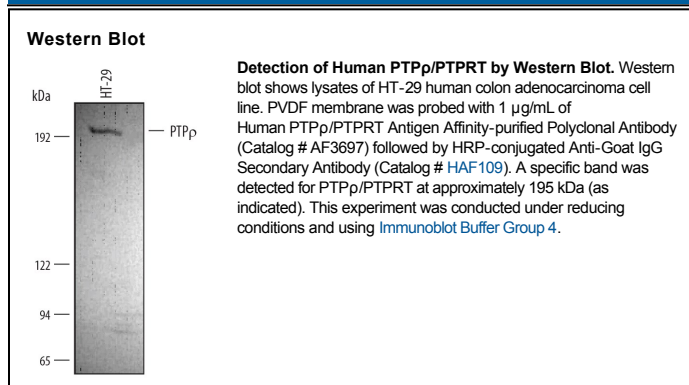
Species Reactivity	Human
Specificity	Detects human PTP ρ /PTPRT in Western blots. In Western blots, no cross-reactivity with recombinant human LAR, PTPRM, K, S, G or DEP1/CD148 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human PTP ρ /PTPRT Gln26-Lys725 Accession # O14522
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m 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 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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, Receptor-type T (PTPRT), also known as RPTP ρ , dephosphorylates tyrosine residues in proteins. PTPRT is present in many tissues, including brain, heart, lung, and colon. Genetic screening of colon cancers indicates that the *PTPRT* gene has a high incidence of missense mutations that reduce phosphatase activity in the encoded protein. Overexpression of intact PTPRT in cancer cell lines inhibits cell proliferation, suggesting that the phosphatase is a tumor suppressor.