



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, UK

www.everestbiotech.com

info@everestbiotech.com

sales@everestbiotech.com

Tel +44 1869 238326

Fax +44 1869 238327

**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB06499 – Goat anti-PTPRT / RPTPrho

Target Protein

Principal Names: PTPRT; RPTPrho; KIAA0283; protein tyrosine phosphatase, receptor type, T; receptor protein tyrosine phosphatase

Official Gene Symbol: PTPRT

Accession Number(s): NP_573400.2; NP_008981.3

Human Gene ID(s): 11122

Gene Ontology terms: hydrolase activity; integral to plasma membrane; protein amino acid dephosphorylation; receptor activity; transmembrane receptor protein tyrosine kinase signaling pathway; transmembrane receptor protein tyrosine phosphatase activity

This antibody is expected to recognise both reported isoforms. Epitope corresponding to aa 58-69 of human PTPRT protein.

Immunogen

Peptide with sequence CNTWEKPMLDQAV, from the internal region of the protein sequence according to NP_573400.2; NP_008981.3

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: Approx 150kDa band observed in Human Brain lysates (calculated MW of 162kDa according to NP_573400.2 and 160kDa according to NP_008981.3). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse

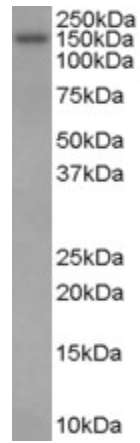
Background Reference

Wang Z, Shen D, Parsons DW, Bardelli A, Sager J, Szabo S, Ptak J, Silliman N, Peters BA, van der Heijden MS, Parmigiani G, Yan H, Wang TL, Riggins G, Powell SM, Willson JK, Markowitz S, Kinzler KW, Vogelstein B, Velculescu VE.

Mutational analysis of the tyrosine phosphatome in colorectal cancers.

Science. 2004 May 21;304(5674):1164-6.

PMID: 15155950



EB06499 staining (1.5 μ g/ml) of Human Brain lysate (RIPA buffer, 35 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.