Datasheet for ABIN7600061

anti-PTPRJ antibody (AA 143-891)

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Overview

Quantity:	100 µg
Target:	PTPRJ
Binding Specificity:	AA 143-891
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRJ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-DEP1/PTPRJ Antibody Picoband®
Immunogen:	E.coli-derived human DEP1/PTPRJ recombinant protein (Position: D143-E891).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DEP1/PTPRJ Antibody Picoband® (ABIN7600061). Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PTPRJ
Alternative Name:	PTPRJ (PTPRJ Products)
Background:	Synonyms: Synaptotagmin-1, Synaptotagmin I, SytI, p65, SYT1, SVP65, SYT Tissue Specificity: Expressed in melanocytes (PubMed:23999003). Background: Receptor-type tyrosine-protein phosphatase eta is an enzyme that in humans is encoded by the PTPRJ gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes, including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region containing five fibronectin type III repeats, a single transmembrane region, and a single intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. This protein is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 and Linker for Activation of T Cells. This protein can also dephosphorylate the PDGF beta receptor, and may be involved in UV-induced signal transduction. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	240 kDa
Gene ID:	5795
UniProt:	Q12913
Pathways:	EGFR Signaling Pathway, Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Honda, H., Inazawa, J., Nishida, J., Yazaki, Y., Hirai, H. Molecular cloning, characterization, and chromosomal localization of a novel protein-tyrosine phosphatase, HPTP eta. Blood 84: 4186-4194, 1994. 2. Lesueur, F., Pharoah, P. D., Laing, S., Ahmed, S., Jordan, C., Smith, P. L., Luben, R., Wareham, N. J., Easton, D. F., Dunning, A. M., Ponder, B. A. J. Allelic association of the human homologue of the mouse modifier Ptprj with breast cancer. Hum. Molec. Genet. 14: 2349-2356, 2005. 3. Li, Y., Haarhuis, J. H. I., Sedeno Cacciatore, A., Oldenkamp, R., van Ruiten, M. S.,

Application Details

	Willems, L., Teunissen, H., Muir, K. W., de Wit, E., Rowland, B. D., Panne, D. The structural basis for cohesin-CTCF-anchored loops. Nature 578: 472-476, 2020.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.