

[Go to Product page](#)

Datasheet for ABIN5540588
anti-PTPRT antibody (AA 1-742)

Overview

Quantity:	0.1 mg
Target:	PTPRT
Binding Specificity:	AA 1-742
Reactivity:	Human, Rat, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPRT antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	This antibody has been derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with ExG protein, secreted by NIH-3T3 transfected cells and purified with glutathione beads. The cells have been transfected using a fusion construct, termed ExG, encoding the entire ectodomain of the Human RPTPmu molecule (aa 1-742), fused COOH terminally to GST.
Clone:	3D7
Isotype:	IgG2a
Specificity:	Monoclonal antibodies 3G4 and 3D7 have been directed against the extracellular domain of RPTPμ.
Purification:	Purified

Target Details

Target:	PTPRT
Alternative Name:	ptprt (PTPRT Products)
Background:	<p>Receptor-like protein tyrosine phosphatases (RPTPs) represent a new family of transmembrane proteins that are thought to transduce external signals by dephosphorylating phosphotyrosine residues on intracellular substrates. RPTPμ is a prototypic receptor-like protein-tyrosine phosphatase (RPTP) that mediates homotypic cell-cell interactions. Intracellularly, RPTPμ consists of a relatively large juxtamembrane region (about 150 amino acids) and two conserved phosphatase domains. As in most RPTPs, the first (membrane-proximal) PTP domain of RPTPμ is catalytically active, whereas its second (C-terminal) domain is inactive. RPTPμ is involved in cell-cell adhesion through homophilic interactions and may also play a key role in signal transduction and growth control.</p>
UniProt:	O14522

Application Details

Application Notes:	Western blot. Immunoprecipitation. Immunofluorescence. Flow Cytometry.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer System: PBS Preservatives: 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months