



Anti-PTPRE (aa 511-600) polyclonal antibody (DPAB-DC2619)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Two alternatively spliced transcript variants of this gene have been reported, one of which encodes a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains; Another one encodes a PTP that contains a distinct hydrophilic N-terminus, and thus represents a nonreceptor-type isoform of this PTP. Studies of the similar gene in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokines induced SATA signaling, as well as the activation of voltage-gated K ⁺ channels.
Immunogen	PTPRE (AAH50062, 511 a.a. ~ 600 a.a) partial recombinant protein with GST tag. The sequence is WRMIWEWKSHTIVMLTEVQEREQDKCYQYWPTEGSVTHGEITIEKNDTLSEAISIRDFL VTLNQPQARQEEQVRVVRQFHFGWPEIGI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTPRE protein tyrosine phosphatase, receptor type, E [Homo sapiens (human)]
Official Symbol	PTPRE
Synonyms	PTPRE; protein tyrosine phosphatase, receptor type, E; PTPE; HPTPE; R-PTP-EPSILON; receptor-type tyrosine-protein phosphatase epsilon; protein tyrosine phosphatase, receptor type, epsilon polypeptide;
Entrez Gene ID	5791
Protein Refseq	NP_006495
UniProt ID	P23469
Chromosome Location	10q26
Function	protein binding; protein homodimerization activity; transmembrane receptor protein tyrosine phosphatase activity;
