

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PTPβ/ζ/PTPRZ in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 279245
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PTPβ/ζ/PTPRZ Gly302-Asn754 Accession # P23471
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PTPRZ, also known as Protein tyrosine phosphatase beta/zeta (PTPβ/ζ), is a member of the receptor-type protein-tyrosine phosphatase family. This phosphatase is involved in the regulation of specific developmental processes in the central nervous system. A protein of 2,307 amino acids, PTPRZ is membrane-spanning with two cytoplasmic protein tyrosine phosphatase domains and an extracellular domain.

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