

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human SIRP delta in direct ELISAs. Detects human, mouse, and rat SIRP delta in Western blots.
Source	Monoclonal Rabbit IgG Clone # 2588B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human embryonic kidney cell HEK293-derived human SIRP delta Phe30-Arg197 Accession # Q9H106
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

SIRP delta (SIRPD; Signal Regulatory Protein Delta), also known as Protein Tyrosine Phosphatase non-Receptor Type Substrate 1-Like 2 (PTPNS1L2), is a member of the signal regulatory proteins (SIRPS) family (1). SIRPD contains a 168 amino acid Ig-like domain that is characteristic of other SIRP family members (1). Unlike other members of the SIRPS family, SIRPD lacks the transmembrane region, and is secreted (2). Murine homologs of SIRPD are not characterized. Expression sequence tag analysis suggests that SIRPD may be expressed in sperm cells and respiratory tissue (2). Using BioPlex 2.0 (Biophysical Interactions of ORFeome-derived complexes) high-throughput affinity purification-mass spectrometry (AP-MS) analysis to identify probable protein-protein interactions, several candidate SIRPD interactions were found including DIRAS2 (3). In-house testing indicates SIRPD can interact with DIRAS2.

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