

Product Information

Anti-PTPNS1

antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21487**

Formerly listed as GenWay Catalog Number 15-288-21487,
Tyrosine-protein phosphatase non-receptor type substrate 1
Antibody.

Storage Temperature Store at -20 °C

Synonyms: Signal-regulatory protein alpha, SHP substrate 1; SHPS-1; Inhibitory receptor SHPS-1; Signal-regulatory protein alpha-1; Sirp-alpha-1; Sirp-alpha-2; Sirp-alpha-3; MyD-1 antigen; Brain Ig-like molecule with tyrosine-based activation motifs; Bit; Macrophage

Product Description

Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6. PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons. neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function (By similarity). Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion. growth factors or insulin. Mediates negative regulation of phagocytosis. mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.

NCBI Accession number: NP_542970.1

Swiss Prot Accession number: P78324

Gene Information: Human .. SIRPA (140885)

Immunogen: Recombinant protein Signal-regulatory protein alpha

Immunogen Sequence: GI # 18426911, sequence 252 - 360

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

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