

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 pro-
tein alpha-1; Sirp-alpha-1; Sirp-alpha-2; Sirp-alpha-3; MyD-1
antigen; Brain Ig-like molecule with tyrosine-based activa-
tion 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 neu-
rons. 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 pro-
tein 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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