

Product Information

Anti-PTPN21
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21500**
Formerly listed as GenWay Catalog Number 15-288-21500,
Tyrosine-protein phosphatase non-receptor type 21 Anti-
body.

Storage Temperature Store at -20 °C

Synonyms: Protein tyrosine phosphatase, non-receptor type
21, EC 3.1.3.48; Protein-tyrosine phosphatase D1

Product 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. This PTP contains an N-terminal domain, similar to cytoskeletal-associated proteins including band 4.1, ezrin, merlin, and radixin. This PTP was shown to specially interact with BMX/ETK, a member of Tec tyrosine kinase family characterized by a multimodular structures including PH, SH3, and SH2 domains. The interaction of this PTP with BMX kinase was found to increase the activation of STAT3, but not STAT2 kinase. Studies of the similar gene in mice suggested the possible roles of this PTP in liver regeneration and spermatogenesis.

NCBI Accession number: NP_008970.1
Swiss Prot Accession number: Q16825

Gene Information: Human .. PTPN21 (11099)

Immunogen: Recombinant protein Protein tyrosine phosphatase, non-receptor type 21

Immunogen Sequence: GI # 5902032, sequence 580 - 837

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.

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