

## Product Information

**Anti-PTPRR**  
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21482**

Formerly listed as GenWay Catalog Number 15-288-21482,  
Receptor-type tyrosine-protein phosphatase R Antibody.

Storage Temperature Store at -20 °C

Synonyms: Protein tyrosine phosphatase, receptor type, R isoform 1, EC 3.1.3.48; Protein-tyrosine phosphatase PCPTP1; NC-PTPCOM1; Ch-1PTPase

### Product Description

Sequesters mitogen-activated protein kinases (MAPKs) such as MAPK1, MAPK3, and MAPK14 in the cytoplasm in an inactive form. The MAPKs bind to a dephosphorylated kinase interacting motif. phosphorylation of which by the protein kinase A complex releases the MAPKs for activation and translocation into the nucleus. 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 possesses an extracellular region, a single transmembrane region, and a single intracellular catalytic domains and thus represents a receptor-type PTP. The similar gene predominately expressed in mouse brain was found to associate with. and thus regulate the activity and cellular localization of MAP kinases. The rat counterpart of this gene was reported to be regulated by the nerve growth factor. which suggested the function of this gene in neuronal growth and differentiation.

NCBI Accession number: NP\_002840.1

Swiss Prot Accession number: Q15256

Gene Information: Human .. PTPRR (5801)

Immunogen: Recombinant protein Protein tyrosine phosphatase, receptor type, R isoform 1

Immunogen Sequence: GI # 4506325, sequence 157 - 210

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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