

## ARG42819 anti-PTPRR / PTPRQ antibody

Package: 100 μl Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal antibody recognizes PTPRR / PTPRQ
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	PTPRR / PTPRQ
Species	Human
Immunogen	Synthetic peptide of Human PTPRR / PTPRQ.
Conjugation	Un-conjugated
Alternate Names	PCPTP1; PTPBR7; PTP-SL; R-PTP-R; PTPRQ; EC-PTP; Protein-tyrosine phosphatase PCPTP1; Ch-1PTPase; Receptor-type tyrosine-protein phosphatase R; EC 3.1.3.48; NC-PTPCOM1

## **Application Instructions**

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	
Observed Size	~ 74 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

# Bioinformation

Gene Symbol	PTPRR
Gene Full Name	protein tyrosine phosphatase, receptor type, R
Background	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 domain, and thus represents a receptor-type PTP. Silencing of this gene has been associated with colorectal cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares a symbol (PTPRQ) with another gene, protein tyrosine phosphatase, receptor type, Q (GeneID 374462), which is also located on chromosome 12. [provided by RefSeq, May 2011]
Function	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 (By similarity). [UniProt]
Calculated Mw	74 kDa
Cellular Localization	Isoform Alpha: Cell membrane; Single-pass type I membrane protein. Isoform Delta: Cytoplasm, perinuclear region. Note=Locates to the perinuclear areas within the cytoplasm. Isoform Gamma: Cytoplasm, perinuclear region. Note=Locates to the perinuclear areas within the cytoplasm. [UniProt]

#### Images



#### ARG42819 anti-PTPRR / PTPRQ antibody WB image

Western blot: Rat brain lysate stained with ARG42819 anti-PTPRR / PTPRQ antibody at 1:1000 dilution.