

## PCPTP1 Antibody (N-term)

Catalog_no :	AB2586
Reactivity :	H
Category :	抗原抗体
Size :	100 $\mu$ L/50 $\mu$ L
Immunogen :	HUMAN:234-265
Specificity :	This PCPTP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-265 amino acids from the N-terminal region of human PCPTP1.
Dilution :	WB,1:1000;IHC-P,1:10~50;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Other_name :	Receptor-type tyrosine-protein phosphatase R, R-PTP-R, Ch-1PTPase, NC-PTPCOM1, Protein-tyrosine phosphatase PCPTP1, PTPRR, ECPTP, PTPRQ
Isotype :	Rabbit Ig
Background :	PCPTP1 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 for this protein 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 the gene for this protein was reported to be regulated by the nerve growth factor, which suggested a function in neuronal growth and differentiation.
reference :	Blanco-Aparicio, C., et al., J. Cell Biol. 147(6):1129-1136 (1999). Ogata, M., et al., J. Biol. Chem. 270(5):2337-2343 (1995). Shiozuka, K., et al., Gene 162(2):279-284 (1995). Sharma, E., et al., J. Biol. Chem. 270(1):49-53 (1995).