



Anti-PTP4A1 monoclonal antibody (DCABH-13119)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to a small class of prenylated protein tyrosine phosphatases (PTPs), which contains a PTP domain and a characteristic C-terminal prenylation motif. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. This tyrosine phosphatase is a nuclear protein, but may primarily associate with plasma membrane. The surface membrane association of this protein depends on its C-terminal prenylation. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which implicated its role in the tumorigenesis. Studies in rat suggested that this gene may be an immediate-early gene in mitogen-stimulated cells.
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Immunogen	A synthetic peptide of human PTP4A1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTP4A1 protein tyrosine phosphatase type IVA, member 1 [Homo sapiens]
Official Symbol	PTP4A1
Synonyms	PTP4A1; protein tyrosine phosphatase type IVA, member 1; protein tyrosine phosphatase type IVA 1; PRL 1; PTPCAAX1; PTP(CAAXI); protein-tyrosine phosphatase 4a1; Protein tyrosine phosphatase IVA1; protein tyrosine phosphatase type IVA protein 1; protein-tyrosine phosphatase of regenerating liver 1; HH72; PRL1; PRL-1; PTP(CAAX1); DKFZp779M0721;
Entrez Gene ID	7803
Protein Refseq	NP_003454
UniProt ID	A0A024R8J2
Chromosome Location	6q12
Pathway	Signaling events mediated by PRL, organism-specific biosystem;
Function	hydrolase activity; protein tyrosine phosphatase activity;