



Rabbit Anti-PRL3 antibody

SL3628R

Product Name:	PRL3
Chinese Name:	磷酸酯酶3蛋白抗体
Alias:	PRL-R;Potentially prenylated protein tyrosine phosphatase; PRL 3; PRL R; PRLR; PRL3; PRLR; Protein tyrosine phosphatase 4a3; PTP 4A3; PTP4A3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Horse,Rabbit,Sheep,Guinea Pig,Danio
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	19kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PRL3/PTP4A3:101-173/173
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PTP4A3 protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. It enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis. It may be involved in the progression of cardiac hypertrophy by inhibiting intracellular calcium mobilization in response to angiotensin II. PTP4A3 interacts with tubulin. It belongs to the protein tyrosine phosphatase family. It is mainly expressed in cardiomyocytes and skeletal muscle; also found in pancreas. It

is consistently overexpressed in colon cancer metastasis.

Subunit:

Interacts with tubulin.

Subcellular Location:

Cell membrane. Early endosome.

Tissue Specificity:

Mainly expressed in cardiomyocytes and skeletal muscle; also found in pancreas.
Consistently overexpressed in colon cancer metastasis.

Similarity:

Belongs to the protein-tyrosine phosphatase family.
Contains 1 tyrosine-protein phosphatase domain.

SWISS:

O75365

Gene ID:

11156

Database links:

[Entrez Gene: 11156](#)Human

[Entrez Gene: 19245](#)Mouse

[Entrez Gene: 362930](#)Rat

[Omim: 606449](#)Human

[SwissProt: O75365](#)Human

[SwissProt: Q9D658](#)Mouse

[SwissProt: Q78EG7](#)Rat

[Unigene: 43666](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.