

PRL3 Polyclonal Antibody

Catalog NumberPA1-31531

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1-3 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Peptide with sequence NRPAPVEVSYKHMR, from N Terminus from the second Met of the protein sequence according to NP_009010; NP_116000		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA1-31531 detects PTP4A3 from human samples. PA1-31531 has been successfully used in Western blot applications. The PA1-31531 immunogen is: Peptide with sequence NRPAPVEVSYKHMR, from N Terminus from the second Met of the protein sequence according to NP_009010; NP_116000

Background/Target Information

The protein encoded by this gene belongs to a small class of prenylated protein tyrosine phosphatases (PTPs). PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. This class of PTPs contain a PTP domain and a characteristic C-terminal prenylation motif. Studies of this class of PTPs in mice demonstrated that they were prenylated proteins in vivo, which suggested their association with cell plasma membrane. Overexpression of this gene in mammalian cells was reported to inhibit angiotensin-II induced cell calcium mobilization and promote cell growth. Two alternatively spliced variants exist. PRL-3 expression was found to be up-regulated in human liver carcinoma compared with normal liver. Its expression in colorectal cancers may contribute to the establishment of liver metastasis. In a different study, PRL-3 is found to be expressed in tumor metastasis and vasculature, regardless of the tumor source.

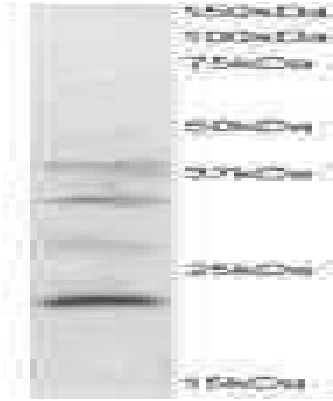
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Product Images For PRL3 Polyclonal Antibody



PRL3 Antibody (PA1-31531) in WB
Western blot analysis of PTP4A3 using a PTP4A3 polyclonal antibody (Product # PA1-31531).

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