

# **PRL3 Polyclonal Antibody**

**Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58080** 

# **Specification**

# **PRL3 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, E

**Primary Accession** 075365 Reactivity Rat, Bovine Host Rabbit Clonality **Polyclonal** Calculated MW **19 KDa** 

**Physical State** Immunogen KLH conjugated synthetic peptide derived

Liquid

laG

from human PRL3/PTP4A3

101-173/173 **Epitope Specificity** 

Isotype **Purity** affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol. SUBCELLULAR LOCATION Cell membrane. Early endosome. **SIMILARITY** Belongs to the protein-tyrosine

phosphatase family. Contains 1

tvrosine-protein phosphatase domain.

**SUBUNIT** Interacts with tubulin.

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

# **Background Descriptions**

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.

# PRL3 Polyclonal Antibody - Additional Information

## Gene ID 11156

#### **Other Names**

Protein tyrosine phosphatase type IVA 3, 3.1.3.48, PRL-R, Protein-tyrosine phosphatase 4a3, Protein-tyrosine phosphatase of regenerating liver 3, PRL-3, PTP4A3, PRL3

## Target/Specificity

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



### **Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_E">E~~N/A</span>

#### Storage

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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  $^{\circ}$ C.

# **PRL3 Polyclonal Antibody - Protein Information**

### Name PTP4A3

## Synonyms PRL3

### **Function**

Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis. May be involved in the progression of cardiac hypertrophy by inhibiting intracellular calcium mobilization in response to angiotensin II.

### **Cellular Location**

Cell membrane. Early endosome

### **Tissue Location**

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

## **PRL3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **PRL3 Polyclonal Antibody - Images**