

For Research Use Only

PRL3 Polyclonal antibody

Catalog Number: 15186-1-AP

4 Publications



Basic Information

Catalog Number:

15186-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7249

GenBank Accession Number:

BC003105

GeneID (NCBI):

11156

UNIPROT ID:

O75365

Full Name:

protein tyrosine phosphatase type IVA, member 3

Calculated MW:

20 kDa

Observed MW:

20-28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:250-1:1000

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse heart tissue, rat heart tissue

IHC: human colon cancer tissue, human oesophagus cancer tissue, human heart tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Phosphatase of regenerating liver-3 (PRL-3; also known as PTP4A3), encodes a 22-kDa protein that represents a novel class of a superfamily of protein tyrosine phosphatases (PTPs) that are ubiquitously expressed in various tumors. PRL3 was associated with primary tumor growth, tumor reoccurrence, and therapy resistance in many human cancers. This protein was also suggested as a marker to predict the relapse of gastric cancer and invasive breast cancer. (PMID: 22469786, PMID: 30157875)

Notable Publications

Author	Pubmed ID	Journal	Application
Shifan Ren	27222233	Reprod Sci	IHC
Pavel A Solopov	39969268	J Pharmacol Exp Ther	IHC
Pavel A Solopov	39179415	J Pharmacol Exp Ther	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

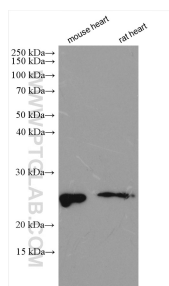
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

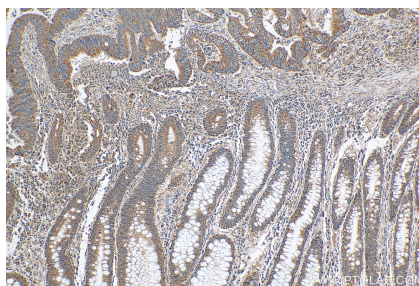
E: proteintech@ptglab.com
W: ptglab.com

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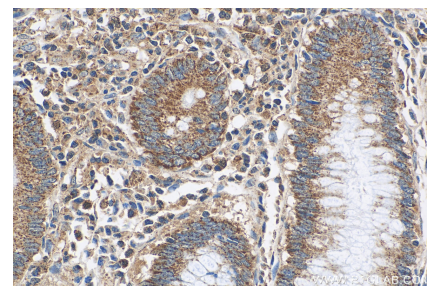
Selected Validation Data



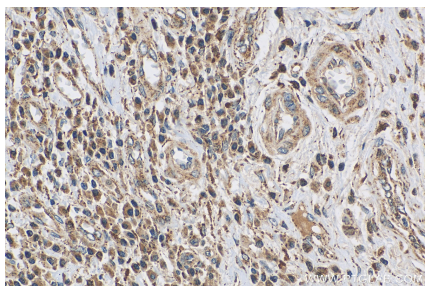
Various lysates were subjected to SDS PAGE followed by western blot with 15186-1-AP (PRL3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



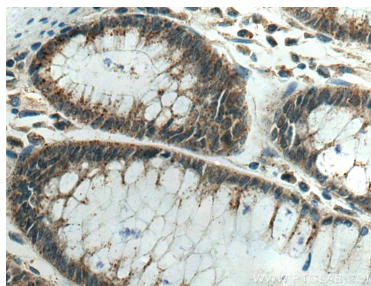
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15186-1-AP (PRL3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15186-1-AP (PRL3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 15186-1-AP (PRL3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15186-1-AP (PRL3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).