

For Research Use Only

PRC1 Polyclonal antibody

Catalog Number: 10110-2-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

10110-2-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0163

GenBank Accession Number:

BC005140

GeneID (NCBI):

9055

UNIPROT ID:

O43663

Full Name:

protein regulator of cytokinesis 1

Calculated MW:

67 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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

Positive Controls:

WB : MCF-7 cells, HEK-293 cells, HeLa cells, HepG2 cells

IHC : human colon cancer tissue,

Background Information

PRC1 is involved in cytokinesis. PRC1 is at high level during S and G2/M and drop dramatically after cell exit mitosis and enter G1. PRC1 is located in the nucleus during interphase, and becomes associated with mitotic spindles in a highly dynamic manner during mitosis, and localizes to the cell mid-body during cytokinesis. PRC1 is a good substrate for several cyclin-dependent kinases (CDKs) in vitro and is phosphorylated in vivo at sites that are phosphorylated by CDK in vitro, suggesting that PRC1 is an in vivo CDK substrate.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Wang	37647439	Immun Inflamm Dis	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

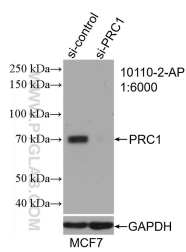
For technical support and original validation data for this product please contact:

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

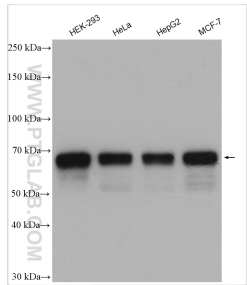
E: proteintech@ptglab.com
W: ptglab.com

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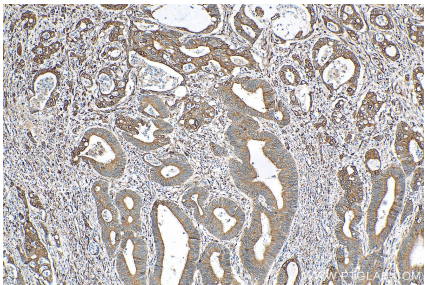
Selected Validation Data



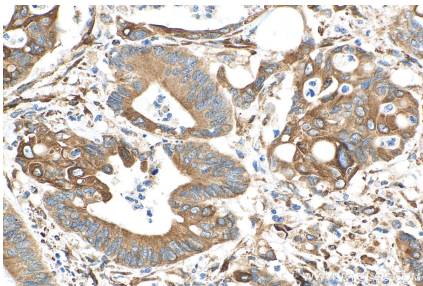
WB result of PRC1 antibody (10110-2-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRC1 transfected MCF-7 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10110-2-AP (PRC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10110-2-AP (PRC1 antibody) at dilution of 1:200 (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 10110-2-AP (PRC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).