

For Research Use Only

PRR14 Polyclonal antibody

Catalog Number: 22819-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

22819-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14119

GenBank Accession Number:

BC000119

GeneID (NCBI):

78994

UNIPROT ID:

Q9BWN1

Full Name:

proline rich 14

Calculated MW:

585 aa, 64 kDa

Observed MW:

64-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

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 : HCT 116 cells, HL-60 cells, MCF-7 cells, SW480 cells, mouse brain tissue, mouse skeletal muscle tissue

IHC : human stomach tissue,

Background Information

PRR14 (proline-rich protein 14) is a 585-amino acid protein with a calculated molecular weight of 64 kDa. This protein functions to tether heterochromatin to the nuclear periphery during interphase, through associations with heterochromatin protein 1 (HP1) and the nuclear lamina. After disassembly early in mitosis, PRR14 reassembles in two steps, first binding to anaphase chromosomes through HP1, followed by association with the nuclear lamina in telophase. PRR14 may thereby play a role in specifying HP1-bound heterochromatin for reattachment to the nuclear lamina at mitotic exit. (PMID: 24209742; 24637393)

Notable Publications

Author	Pubmed ID	Journal	Application
Anna A Kiseleva	36633363	Nucleus	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

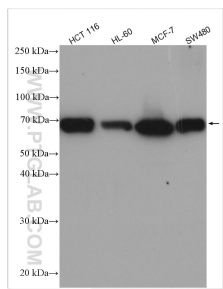
For technical support and original validation data for this product please contact:

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

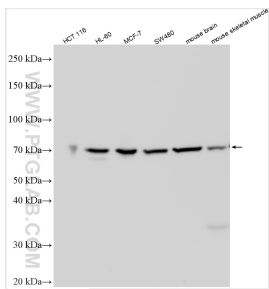
E: proteintech@ptglab.com
W: ptglab.com

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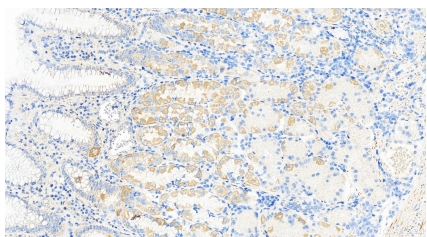
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22819-1-AP (PRR14 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 22819-1-AP (PRR14 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).