

For Research Use Only

PRR14 Polyclonal antibody

Catalog Number: 22819-1-AP **1 Publications**



Basic Information

Catalog Number: 22819-1-AP	GenBank Accession Number: BC000119	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 78994	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9BWN1	
Isotype: IgG	Full Name: proline rich 14	
Immunogen Catalog Number: AG14119	Calculated MW: 585 aa, 64 kDa	
	Observed MW: 64-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HCT 116 cells, HL-60 cells, MCF-7 cells, SW480 cells
Cited Applications: WB, IF	
Species Specificity: human, mouse	
Cited Species: mouse	

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,IF

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

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

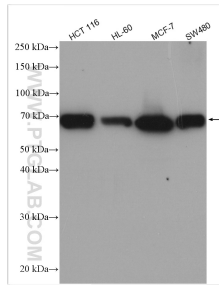
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.