

For Research Use Only

PARL Recombinant antibody

Catalog Number: 85167-1-RR



Basic Information

Catalog Number: 85167-1-RR	GenBank Accession Number: BC014058	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55486	CloneNo.: 242171C12
Source: Rabbit	UNIPROT ID: Q9H300	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: presenilin associated, rhomboid-like	
Immunogen Catalog Number: AG24789	Calculated MW: 42 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells
Species Specificity: human	

Background Information

PARL (Presenilin associated rhomboid like), is a member of the rhomboid family of intramembrane serine proteases that is localized to the inner mitochondrial membrane. PARL has 2 isoforms produced by alternative splicing with the molecular mass of 42 kDa and 37 kDa. PARL regulates mitochondrial remodeling and apoptosis through regulated substrate proteolysis. Proteolytic processing of PARL may result in the release of a small peptide, P-beta, which may transit to the nucleus. The self-regulated cleavage of PARL at positions 52-53 (α-site) and 77-78 (β-site) produce two cleaved forms of PARL named MAMP and PACT with the molecular mass of 36 kDa and 33 kDa respectively (PMID: 14732705, 28178523).

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

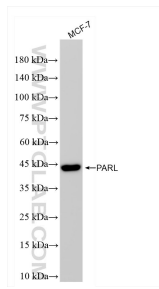
For technical support and original validation data for this product please contact:

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

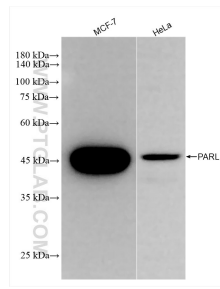
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 85167-1-RR (PARL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 85167-1-RR (PARL antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.