

For Research Use Only

Cyclophilin A Recombinant monoclonal antibody, PBS Only

Catalog Number: 86709-1-PBS



Basic Information

Catalog Number: 86709-1-PBS	GenBank Accession Number: BC005320	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5478	CloneNo.: 251706B11
Source: Rabbit	UNIPROT ID: P62937	
Isotype: IgG	Full Name: peptidylprolyl isomerase A (cyclophilin A)	
Immunogen Catalog Number: AG1120	Calculated MW: 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Cyclophilin A, also named as PPIA and Rotamase A, belongs to the cyclophilin-type PPIase family and PPIase A subfamily. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA forms a trimolecular complex with cyclophilin and calcineurins to inhibit calcineurin phosphatase activity. PPIA is incorporated into the virion of the type 1 human immunodeficiency virus (HIV-1) via a direct interaction with the capsid domain of the viral Gag polyprotein and is crucial for efficient viral replication.

Storage

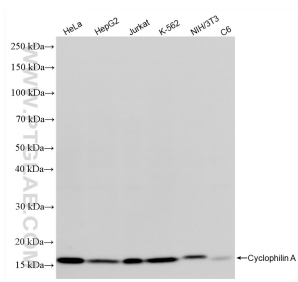
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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 86709-1-RR (Cyclophilin A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86709-1-PBS in a different storage buffer formulation.