

For Research Use Only

PPA1 Recombinant antibody, PBS Only

Catalog Number: 85445-3-PBS



Basic Information

Catalog Number: 85445-3-PBS	GenBank Accession Number: BC001022	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5464	CloneNo.: 242963D1
Source: Rabbit	UNIPROT ID: Q15181	
Isotype: IgG	Full Name: pyrophosphatase (inorganic) 1	
Immunogen Catalog Number: AG6969	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

PPA1(Inorganic pyrophosphatase) is also named as IOPPP, PP and PPase. It maintains the thermodynamic favorability of these reactions by catalyzing the hydrolysis of pyrophosphates into organic phosphates, which are then exported across the cell membrane(PMID:16300924).The erythrocyte inorganic pyrophosphatase molecule would appear to be a dimer(PMID:4130389).

Storage

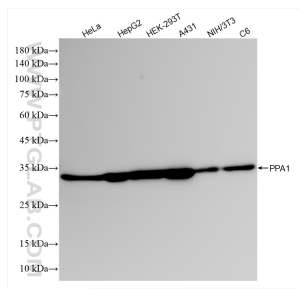
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

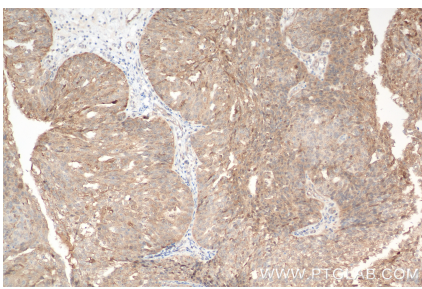
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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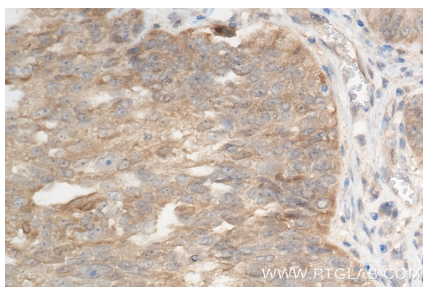
Selected Validation Data



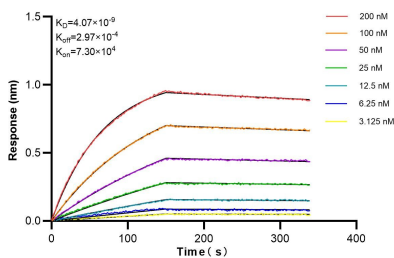
Various lysates were subjected to SDS PAGE followed by western blot with 85445-3-RR (PPA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85445-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 85445-3-RR (PPA1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85445-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 85445-3-RR (PPA1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85445-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85445-3-RR against Human PPA1 were performed. The affinity constant is 4.07 nM.