

For Research Use Only

PPA2 Monoclonal antibody

Catalog Number: 68468-1-Ig



Basic Information

Catalog Number: 68468-1-Ig	GenBank Accession Number: BC057219	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27068	CloneNo.: 1C2E3
Source: Mouse	Full Name: pyrophosphatase (inorganic) 2	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 305aa,35 kDa; 334aa,38 kDa	
Immunogen Catalog Number: AG10125	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells, 4T1 cells, LNCaP cells, HeLa cells, HEK-293T cells, Jurkat cells, Raji cells, K-562 cells
Species Specificity: Human, mouse, rat	

Background Information

Pyrophosphatase 2 (PPA2) is a mitochondrial-located pyrophosphatase (PPase) that hydrolyzes inorganic pyrophosphate (PPi), generated by numerous nucleotide-dependent reactions, into two orthophosphate molecules (PMID: 34400813). PPA2 is a cardiomyopathy-associated protein, which has a greater physiological importance in mitochondrial function (PMID: 27523597).

Storage

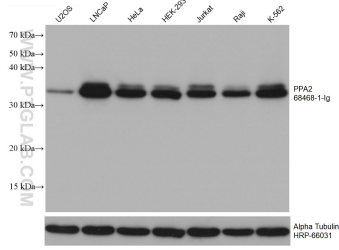
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

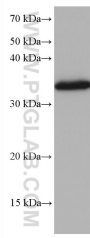
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68468-1-Ig (PPA2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



4T1 cells were subjected to SDS PAGE followed by western blot with 68468-1-Ig (PPA2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.