

For Research Use Only

PPA1 Monoclonal antibody, PBS Only



Catalog Number: 68178-1-PBS

Basic Information

Catalog Number: 68178-1-PBS	GenBank Accession Number: BC001022	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 5464	CloneNo.: 1D11F4
Source: Mouse	UNIPROT ID: Q15181	
Isotype: IgG1	Full Name: pyrophosphatase (inorganic) 1	
Immunogen Catalog Number: AG7049	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IF

Species Specificity:
Human, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

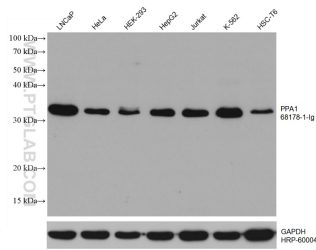
T: 4006900926

E: Proteintech-CN@ptglab.com

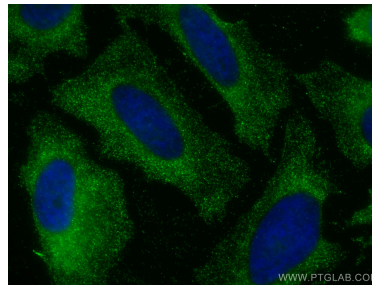
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68178-1-Ig (PPA1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68178-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PPA1 antibody (68178-1-Ig, Clone: 1D11F4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68178-1-PBS in a different storage buffer formulation.