

For Research Use Only

ATPBD4 Polyclonal antibody

Catalog Number: 23993-1-AP **1 Publications**



Basic Information

Catalog Number: 23993-1-AP	GenBank Accession Number: BC008485	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 89978	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q7L8W6	
Isotype: IgG	Full Name: ATP binding domain 4	
Immunogen Catalog Number: AG21178	Calculated MW: 267 aa, 30 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: WB, IF, ELISA	Positive Controls: WB : NIH/3T3 cells, L02 cells IF/ICC : NIH/3T3 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

Diphthamide is a highly modified histidine in the transcription factor EEF2 that is conserved from yeast to human. ATPBD4, also known as DPH6, belongs to the Diphthine--ammonia ligase family. DPH6 amidase may catalyze the last step of diphthamide biosynthesis using ammonium and ATP to play a role in catalyzing the final step of diphthamide biosynthesis, amidation of diphthine to diphthamide (PubMed:23169644).

Notable Publications

Author	Pubmed ID	Journal	Application
Tsung-Ming Hu	32806546	Brain Sci	WB

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

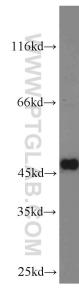
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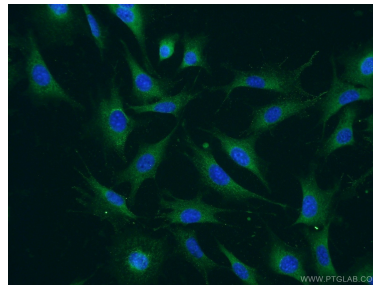
E: proteintech@ptglab.com
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Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 23993-1-AP (ATPBD4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of NIH/3T3 cells using 23993-1-AP (ATPBD4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).