For Research Use Only

ATPBD4 Polyclonal antibody

Catalog Number:23993-1-AP 1 Publications

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Basic Information

Catalog Number:
23993-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21178

GenBank Accession Number:
BC008485

GeneID (NCBI):
89978

UNIPROT ID:
Q7L8W6

Full Name:
ATP binding domain 4

Calculated MW:
267 aa, 30 kDa

Observed MW:
48 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human

Positive Controls:

WB : NIH/3T3 cells, L02 cells

IF/ICC : NIH/3T3 cells,

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

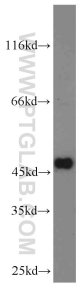
Storage

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

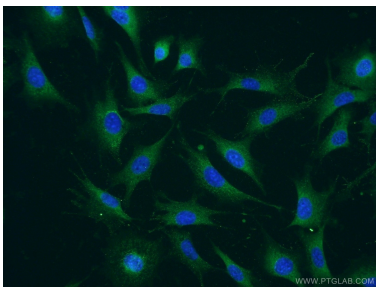
*** 20ul sizes contain 0.1% BSA

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

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 Goat Anti-Rabbit IgG(H+L).