

ATPBD4 Polyclonal antibody

Catalog Number: 23993-1-AP

1 Publications

Basic Information

Catalog Number:

23993-1-AP

Size:

300 µg/ml

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:

IF/ICC, WB, 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:

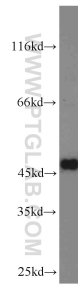
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

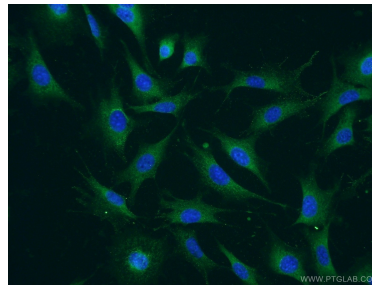
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).