

For Research Use Only

ATPBD3 Recombinant antibody, PBS Only

Catalog Number: 84318-4-PBS



Basic Information

Catalog Number:

84318-4-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35037

GenBank Accession Number:

NM_145232

GeneID (NCBI):

90353

UNIPROT ID:

Q7Z7A3

Full Name:

ATP binding domain 3

Calculated MW:

36 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

241630C4

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human

Background Information

ATPBD3, also known as CTU1, NCS6, is a subunit of a highly conserved protein complex involved in the thiolation of wobble U34(PMID: 18391219). ATPBD3 directly binds tRNAs and probably acts by catalyzing the adenylation of tRNAs, an intermediate required for 2-thiolation.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

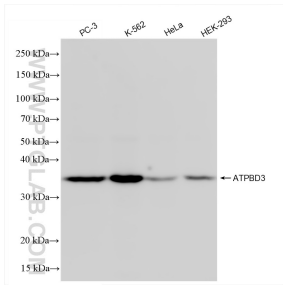
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

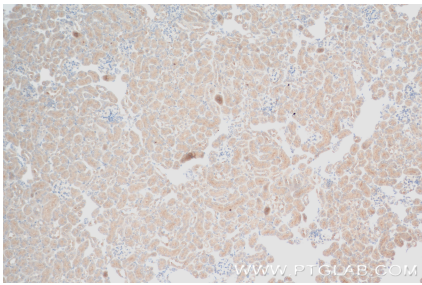
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

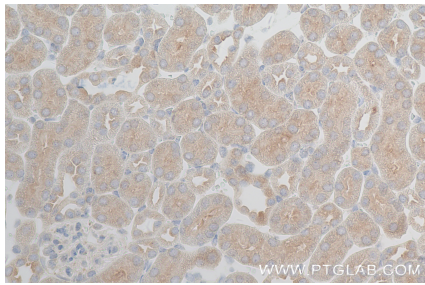
Selected Validation Data



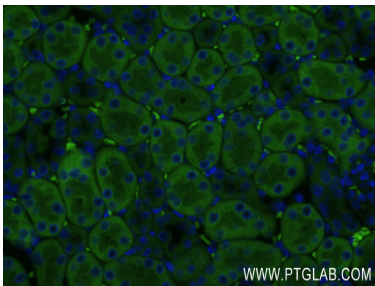
Various lysates were subjected to SDS PAGE followed by western blot with 84318-4-RR (ATPBD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84318-4-PBS in a different storage buffer formulation.



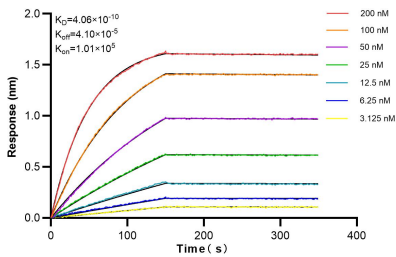
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 84318-4-RR (ATPBD3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84318-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 84318-4-RR (ATPBD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84318-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using ATPBD3 antibody (84318-4-RR, Clone: 241630C4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84318-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84318-4-RR against Human ATPBD3 were performed. The affinity constant is 0.406 nM.