

For Research Use Only

# ATPBD3 Polyclonal antibody

Catalog Number: 31537-1-AP



## Basic Information

<b>Catalog Number:</b> 31537-1-AP	<b>GenBank Accession Number:</b> NM_145232	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 90353	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z7A3	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATP binding domain 3	
<b>Immunogen Catalog Number:</b> AG35037	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 30-36 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, K-562 cells

**IHC :** mouse kidney tissue,

**IF/ICC :** PC-3 cells,

## 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 -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**

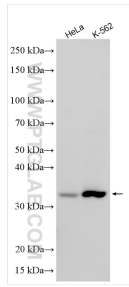
For technical support and original validation data for this product please contact:

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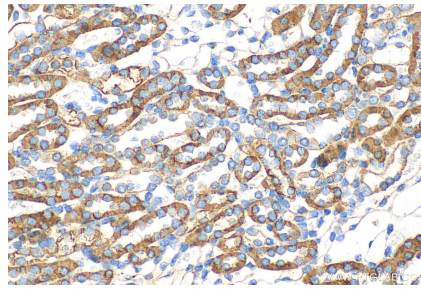
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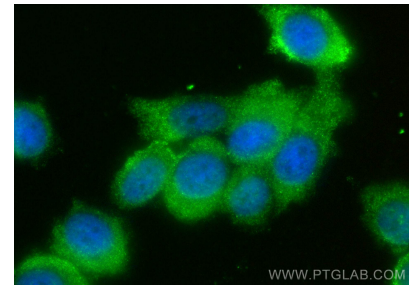
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 31537-1-AP (ATPBD3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 31537-1-AP (ATPBD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using ATPBD3 antibody (31537-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).