

For Research Use Only



# CoraLite® Plus 488-conjugated ATPBD3 Recombinant monoclonal antibody

Catalog Number: **CL488-84318-4**

## Basic Information

Catalog Number: CL488-84318-4	GenBank Accession Number: NM_145232	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 90353	CloneNo.: 241630C4
Isotype: IgG	UNIPROT ID: Q7Z7A3	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: AG35037	Full Name: ATP binding domain 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 36 kDa	
	Observed MW: 35 kDa	

## Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse kidney tissue,
Species Specificity: human, mouse	

## 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

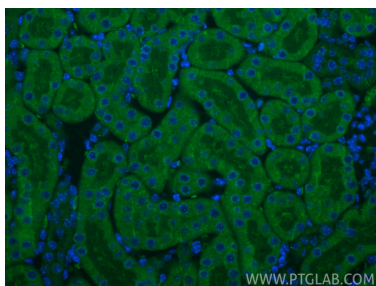
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 488 ATPBD3 antibody (CL488-84318-4, Clone: 241630C4) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).