

For Research Use Only

# AMPK beta 1 Polyclonal ANTIBODY



Catalog Number: 10308-1-AP

1 Publications

## Basic Information

Catalog Number:  
10308-1-AP

Size:  
35 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG0301

GenBank Accession Number:  
BC001007

GeneID (NCBI):  
5564

Full Name:  
protein kinase, AMP-activated, beta 1 non-catalytic subunit

Calculated MW:  
38 kDa

Observed MW:  
38 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:10-1:100

## Applications

Tested Applications:  
IF, IHC, IP, WB, ELISA

Cited Applications:  
WB

Species Specificity:  
human, mouse

Cited Species:  
human

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

Positive Controls:

WB : mouse liver tissue; A431 cells, HEK-293 cells, HeLa cells

IP : mouse liver tissue;

IHC : human lung cancer tissue;

IF : HEK-293 cells;

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Chen-Tian Shen	27920093	J Mol Endocrinol	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)

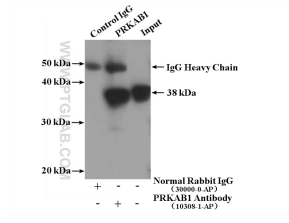
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

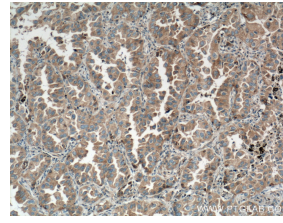
## Selected Validation Data



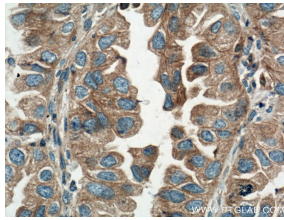
mouse liver tissue were subjected to SDS PAGE followed by western blot with 10308-1-AP( AMPK beta 1 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours



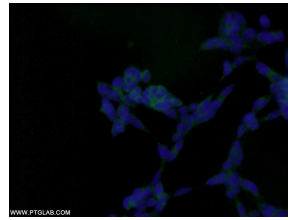
IP Result of anti-AMPK beta 1 (IP:10308-1-AP, 4ug; Detection:10308-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 10308-1-AP( AMPK beta 1 antibody at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 10308-1-AP( AMPK beta 1 antibody at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunofluorescent analysis of HEK-293 cells using 10308-1-AP(AMPK beta 1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)