

For Research Use Only

AMPK Beta 1 Polyclonal antibody

Catalog Number: 10308-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

10308-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0301

GenBank Accession Number:

BC001007

GeneID (NCBI):

5564

UNIPROT ID:

Q9Y478

Full Name:

protein kinase, AMP-activated, beta 1 non-catalytic subunit

Calculated MW:

38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

IF, IP, WB

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

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: 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
Jie Huang	36068398	Hum Cell	WB
Qidong Li	31155494	Cell Metab	WB,IP
Zhe Zheng	33658485	Cell Death Dis	IF

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

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

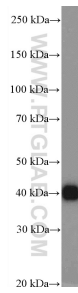
T: 4006900926

E: Proteintech-CN@ptglab.com

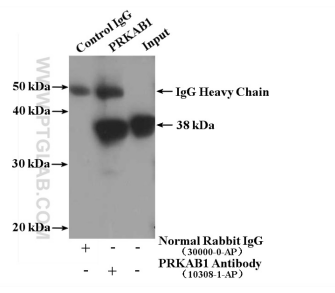
W: ptgcn.com

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

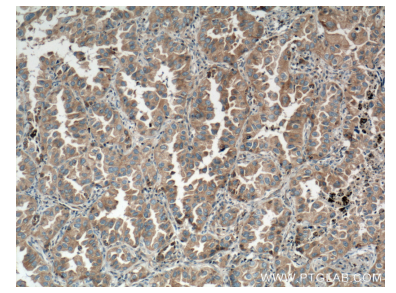
Selected Validation Data



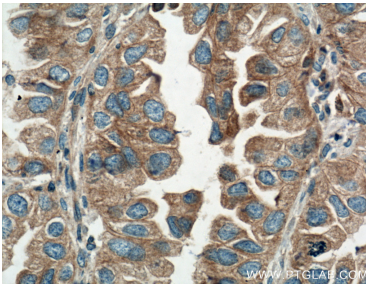
mouse liver tissue were subjected to SDS PAGE followed by western blot with 10308-1-AP (AMPK beta 1 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



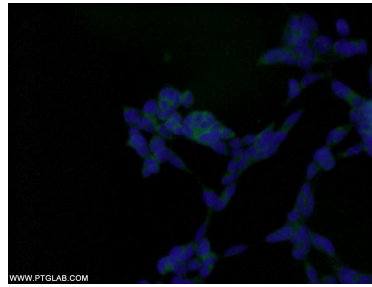
IP result of anti-AMPK Beta 1 (IP:10308-1-AP, 4ug; Detection:10308-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis 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 retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis 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 retrieval with Tris-EDTA buffer (pH 9.0).



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).