

For Research Use Only

# AMPK Beta 2 Polyclonal antibody

Catalog Number:14429-1-AP



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>14429-1-AP                          | <b>GenBank Accession Number:</b><br>BC053610                                     | <b>Purification Method:</b><br>Antigen affinity purification                            |
| <b>Size:</b><br>150ul , Concentration: 500 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>5565  | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500<br>IF/ICC 1:50-1:500 |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>O43741   |   |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>protein kinase, AMP-activated, beta 2 non-catalytic subunit |   |
| <b>Immunogen Catalog Number:</b><br>AG5806                    | <b>Calculated MW:</b><br>30 kDa  |   |
|   | <b>Observed MW:</b><br>34 kDa  |   |

## Applications

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

**Species Specificity:**  
human, mouse, rat

**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 :** HEK-293 cells, human heart tissue, human brain tissue, fetal human brain tissue, mouse testis tissue, mouse brain tissue, rat brain tissue

**IHC :** human colon tissue, human kidney tissue

**IF/ICC :** HeLa cells,

## 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**

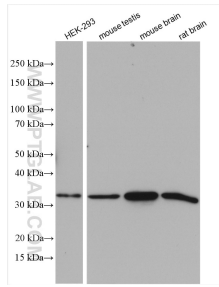
For technical support and original validation data for this product please contact:

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

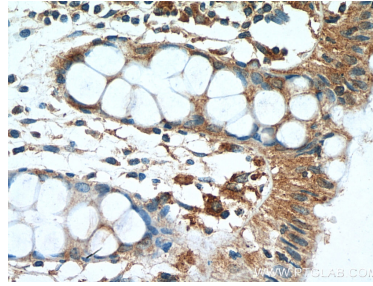
E: proteintech@ptglab.com  
W: ptglab.com

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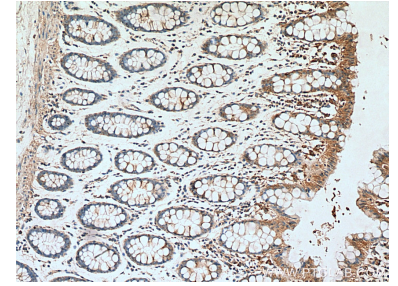
## Selected Validation Data



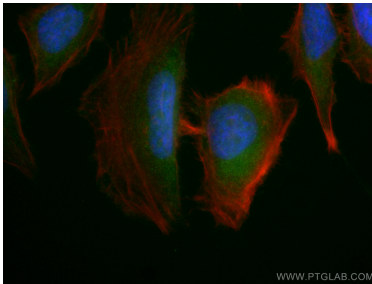
Various lysates were subjected to SDS PAGE followed by western blot with 14429-1-AP (AMPK beta 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14429-1-AP (AMPK Beta 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14429-1-AP (AMPK Beta 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AMPK Beta 2 antibody (14429-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).