

AMPK Gamma 2 Polyclonal antibody

Catalog Number: 12568-1-AP

2 Publications

Basic Information

Catalog Number:

12568-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3214

GenBank Accession Number:

BC020540

GeneID (NCBI):

51422

UNIPROT ID:

Q9UGJ0

Full Name:

protein kinase, AMP-activated,
gamma 2 non-catalytic subunit

Calculated MW:

569 aa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, PC-3 cells, mouse eye tissue, HeLa cells, Neuro-2a cells, mouse heart tissues, rat heart tissues

IF : HeLa cells,

Background Information

AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. AMPK gamma2 is a member of the AMPK gamma subunit family. Mutations in this gene have been associated with Wolff-Parkinson-White syndrome, familial hypertrophic cardiomyopathy, and glycogen storage disease of the heart.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|------------|-------------|
| Zhang Bi-Li BL | 23778007 | J Cardiol | WB, IF |
| Yuwen Sheng | 34931827 | J Med Chem | WB |

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

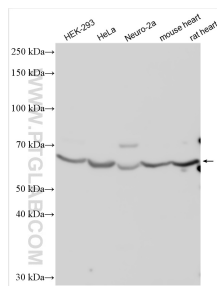
For technical support and original validation data for this product please contact:

T: 4006900926

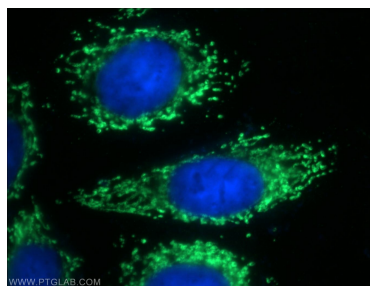
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12568-1-AP (AMPK Gamma 2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 12568-1-AP (AMPK gamma2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).