

For Research Use Only

# AMPK Alpha 1 Monoclonal antibody, PBS Only



Catalog Number: 66536-1-PBS

Featured Product

## Basic Information

Catalog Number:

66536-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24744

GenBank Accession Number:

BC012622

GeneID (NCBI):

5562

UNIPROT ID:

Q13131

Full Name:

protein kinase, AMP-activated, alpha  
1 catalytic subunit

Calculated MW:

63 kDa

Observed MW:

64 kDa

Purification Method:

Protein A purification

CloneNo.:

1H8E1

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, Rat, Mouse

## Background Information

The mammalian 5-prime-AMP-activated protein kinase (AMPK) appears to play a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. PRKAA1 is also named as AMPK1, ACACA kinase, HMGCRC kinase. It is a mammalian homologue of sucrose non-fermenting protein kinase (SNF-1), which belongs to a serine/threonine protein kinase family. It has 2 isoforms with molecular mass of 63-66 kDa produced by alternative splicing.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

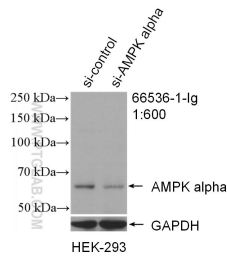
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

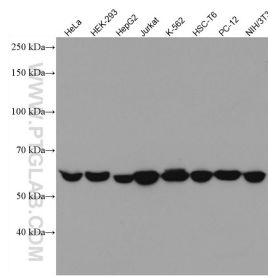
W: [ptgcn.com](http://ptgcn.com)

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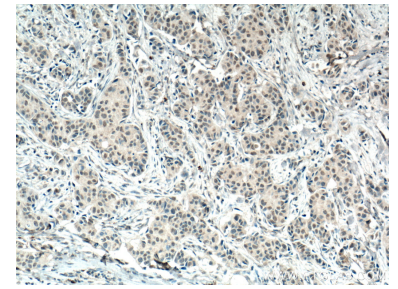
## Selected Validation Data



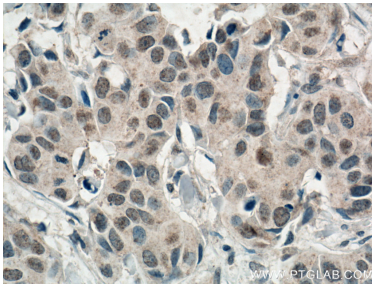
WB result of AMPK alpha antibody (66536-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-AMPK alpha transfected HEK-293 cells. This data was developed using the same antibody clone with 66536-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66536-1-Ig (AMPK alpha antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66536-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66536-1-Ig (AMPK alpha antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66536-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66536-1-Ig (AMPK alpha antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66536-1-PBS in a different storage buffer formulation.