

For Research Use Only

# AMPK Beta 2 Monoclonal antibody, PBS Only



Catalog Number: 66579-1-PBS

## Basic Information

Catalog Number: 66579-1-PBS	GenBank Accession Number: BC053610	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 5565	CloneNo.: 2D5C1
Source: Mouse	UNIPROT ID: O43741	
Isotype: IgG1	Full Name: protein kinase, AMP-activated, beta 2 non-catalytic subunit	
Immunogen Catalog Number: AG5806	Calculated MW: 30 kDa	
	Observed MW: 33 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA, IF

Species Specificity:  
Human, mouse, rat

## Background Information

AMPK beta 2 is a regulatory subunit of the AMP-activated protein kinase (AMPK), which is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. AMPK beta 2 may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles.

## Storage

Storage:  
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

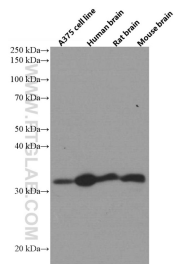
T: 4006900926

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

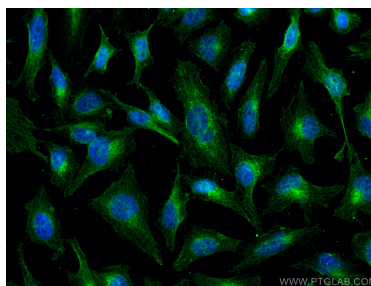
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66579-1-Ig (AMPK beta 2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66579-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AMPK Beta 2 antibody (66579-1-Ig, Clone: 2D5C1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66579-1-PBS in a different storage buffer formulation.