

For Research Use Only

# AMPK Alpha Recombinant antibody

Catalog Number: 80209-5-RR



## Basic Information

<b>Catalog Number:</b> 80209-5-RR	<b>GenBank Accession Number:</b> BC012622	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5562	<b>CloneNo.:</b> 4N5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13131	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> protein kinase, AMP-activated, alpha 1 catalytic subunit	
<b>Immunogen Catalog Number:</b> AG1367	<b>Calculated MW:</b> 63 kDa	
	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Species Specificity:</b> Human, Mouse, Rat	

## 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, HMGCR 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. 80209-5-RR can recognize both AMPK Alpha 1 and AMPK Alpha 2.

## 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:

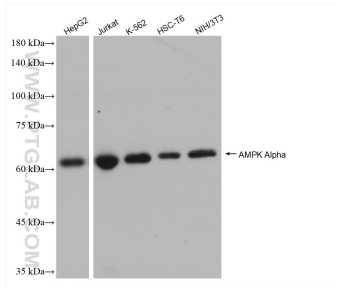
T: 4006900926

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

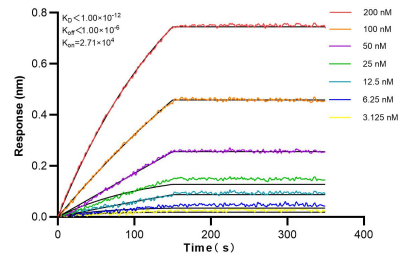
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80209-5-RR (AMPK alpha antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 80209-5-RR against Human AMPK alpha were performed. The affinity constant is below 1 pM.