

Datasheet: MCA2672GA

BATCH NUMBER 150863

Description:	MOUSE ANTI AMPK ALPHA 1/2
Specificity:	AMPK ALPHA 1/2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	84.1
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			1/100 - 1/1000
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Drosophila
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Vertebrates, Human, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	29 amino acid peptide within the N-terminal catalytic domain of <i>Drosophila</i> AMPK alpha.
External Database Links	<p>UniProt: Q13131 Related reagents</p> <p>Entrez Gene: 5562 PRKAA1 Related reagents</p>
Synonyms	AMPK1
RRID	AB_1604624
Specificity	<p>Mouse anti AMPK Alpha 1/2 antibody, clone 84.1 recognises both the alpha 1 and the alpha 2 isoforms of AMP-activated protein kinase (AMPK). AMPK is a highly conserved heterotrimeric protein kinase found in all eukaryotes. The heterotrimeric complex exists as multiple isoforms and consists of a catalytic alpha subunit, which is stabilised by non-catalytic regulatory beta- and gamma- subunits. AMPK plays a vital role in maintaining cellular energy homeostasis and is activated by rising levels of AMP under conditions of hypoxia, ischemia, exercise, low glucose levels.</p> <p>AMPK may play an important role in the control of type 2 diabetes and metabolic syndromes. Recent studies suggest that AMPK functions as a suppressor of cell proliferation of both malignant and normal cells.</p>
Western Blotting	MCA2673GA detects a band of approximately 63kDa in rat brain cell lysates.
Storage	<p>Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2672GA 10040</p>

Related Products

Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M367283:200529'

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