

Mouse anti-Human AMPK alpha 2 Monoclonal Antibody | anti-AMPKalpha2 antibody

Anti-AMPK alpha 2 Antibody

CATALOG # AAA266047	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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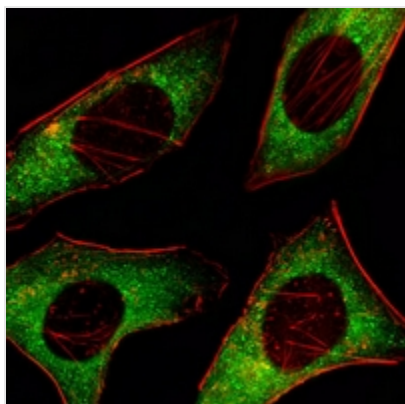
PRODUCT SYNONYMS

AMPK alpha 2; Monoclonal Antibody; Anti-AMPK alpha 2 Antibody; anti-AMPKalpha2 antibody

PRODUCT SPECIFICATIONS

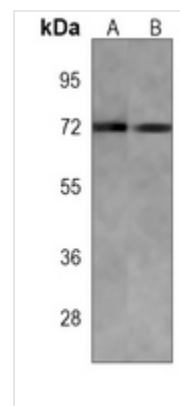
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Specificity	Recognizes endogenous levels of AMPK alpha 2 protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG2a kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-AMPKalpha2 antibody	IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human AMPK alpha 2. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of AMPK alpha 2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Western blot analysis of AMPK alpha 2 expression in 293 (A), Hela (B) whole cell lysates. (Predicted band size: 62 kD; Observed band size: 71 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-AMPKalpha2 antibody	Mouse monoclonal antibody to AMPK alpha 2
Product Categories/Family for anti-AMPKalpha2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	786491
NCBI GeneID	5563
UniProt Accession #	P54646; Q9H1E8; Q9UD43; AAB32732
Molecular Weight	62,320 Da
NCBI Official Full Name	AMP-activated protein kinase, AMPK
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 2 catalytic subunit
NCBI Official Symbol	PRKAA2
NCBI Official Synonym Symbols	AMPK; AMPK2; PRKAA; AMPKa2
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-2; ACACA kinase; HMGCR kinase; AMPK-alpha-2 chain; AMPK subunit alpha-2; acetyl-CoA carboxylase kinase; hydroxymethylglutaryl-CoA reductase kinase; AMP-activated protein kinase alpha-2 subunit varian
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-2
UniProt Gene Name	PRKAA2
UniProt Synonym Gene Names	AMPK; AMPK2; AMPK subunit alpha-2; ACACA kinase; HMGCR kinase
UniProt Entry Name	AAPK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ampk-alpha-2-antibody-immunochemistry-immunofluorescence-western-blot-elisa/266047>