

Rabbit AMPK Alpha 2 Polyclonal Antibody | anti-AMPK2 antibody

AMPK Alpha 2 Antibody

CATALOG # AAA225183	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence
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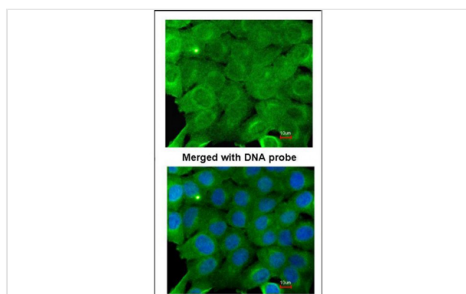
PRODUCT SYNONYMS

AMPK Alpha 2; Polyclonal Antibody; AMPK Alpha 2 Antibody; Affinity Purified Rabbit Polyclonal AMPK alpha 2 Antibody; Polyclonal AMPK alpha 2 antibody; Anti-AMPK alpha 2 antibody; AMPK2 antibody; AMPK alpha 2 antibody; PRKAA2 antibody; AMPK alpha 2; AMPK-alpha-2 chain antibody; PRKAA antibody; AMPK alpha - 2 antibody; AMPK antibody; 5'-AMP-activated protein kinase catalytic subunit alpha-2 antibody; 5'-AMP-activated protein kinase catalytic alpha-2 chain antibody; AMPK alpha -2; anti-AMPK2 antibody

PRODUCT SPECIFICATIONS

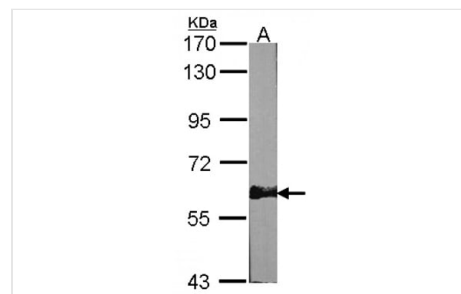
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen-Affinity Chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.55 mg/ml (varies by lot)
Sequence Length	552
Applicable Applications for anti-AMPK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	AMPK alpha 2 antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 29 and 510 of AMPK alpha 2
Cross-Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



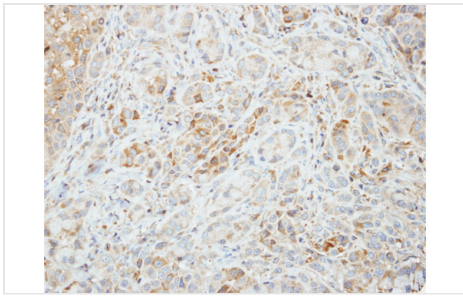
IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed A431, using AMPK alpha 2 antibody at 1:200 dilution.



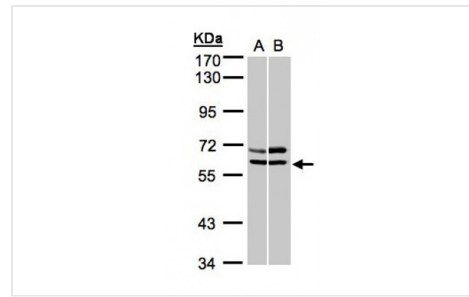
WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: NIH-3T3) using a 7.5% SDS PAGE gel and AMPK alpha 2 antibody at a dilution of 1:1000



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded A549 xenograft using AMPK alpha 2 antibody at a dilution of 1:500



WB (Western Blot)

Western blot analysis of 30 ug whole cell lysate (A:A431; B:MOLT4) using a 7.5% SDS PAGE gel and AMPK alpha 2 antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-AMPK2 antibody	The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK 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. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia.
Product Categories/Family for anti-AMPK2 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	47481319
NCBI GeneID	5563
Molecular Weight	62 kDa
NCBI Official Full Name	AMP-activated protein kinase alpha 2 catalytic subunit
NCBI Official Synonym Full Names	protein kinase AMP-activated catalytic subunit alpha 2
NCBI Official Symbol	PRKAA2
NCBI Official Synonym Symbols	AMPK; AMPK2; PRKAA; AMPKa2
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ampk-alpha-2-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/225183>