

Rabbit AMPK alpha Polyclonal Antibody | anti-AMPK alpha antibody

AMPK alpha antibody

CATALOG # AAA107622	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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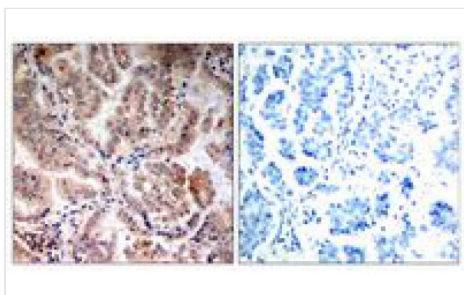
PRODUCT SYNONYMS

AMPK alpha; Polyclonal Antibody; AMPK alpha antibody; Polyclonal AMPK alpha; Anti-AMPK alpha; 5-AMP-activated protein kinase antibody; Ab 174/172; anti-AMPK alpha antibody

PRODUCT SPECIFICATIONS

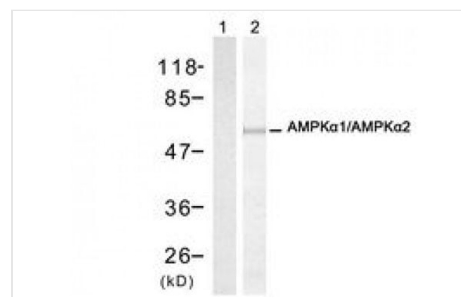
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	AMPK alpha antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-AMPK alpha antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	AMPK, a member of the SNF1 (sucrose nonfermentor) kinase family AMPK is a heterotrimeric protein comprising alpha (63 kDa), beta (38 kDa) and gamma (38 kDa) subunits. The alpha subunit is the catalytic subunit (which requires phosphorylation to be active) (2-3). Beta and gamma are noncatalytic subunits, although they have been found to interact with the active subunit in liver. AMPK regulates fatty acid and sterol synthesis by phosphorylation of acetyl-CoA as well as cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	AMPK alpha antibody was raised in Rabbit using the peptide sequence around aa 172~176/170~174 (L-R-T-S-C) derived from Human AMPKA1/AMPKA2 as the immunogen.
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



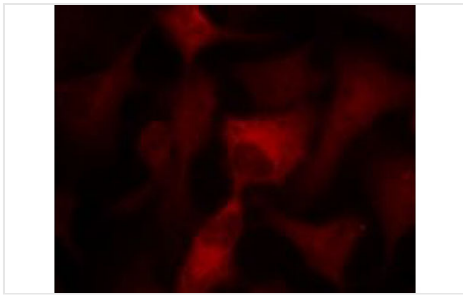
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AMPKa1/AMPKa2 antibody (left) or the same antibody preincubated with blocking peptide (right)



WB (Western Blot)

Western Blot analysis of extracts from A549, HepG2 and 3T3 cells using AMPKa1/AMPKa2 antibody



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using AMPKα1/AMPKα2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AMPK alpha antibody	Rabbit polyclonal AMPK alpha antibody
Product Categories/Family for anti-AMPK alpha antibody	Proteases ; Inhibitors ; & Enzymes

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-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/107622>