

Rabbit AMPK alpha Polyclonal Antibody | anti-AMPK alpha antibody

AMPK alpha (Phospho-Thr172) Antibody

CATALOG # AAA316054	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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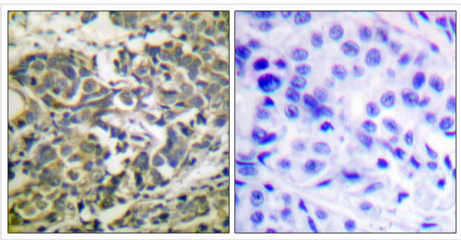
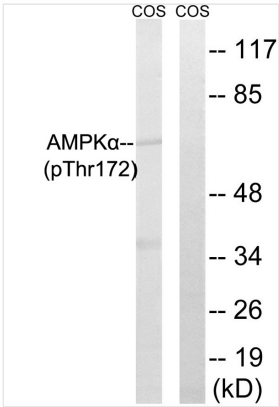
PRODUCT SYNONYMS

AMPK alpha; Polyclonal Antibody; AMPK alpha (Phospho-Thr172) Antibody; 5'-AMP-activated protein kinase; catalytic alpha-1 chain; AAPK1; AMPK alpha-1 chain; AMPK-alpha1; HMG-CoA reductase kinase; PRKAA1; acetyl-CoA carboxylase kinase; hormone-sensitive lipase kinase; kinase AMPK-alpha1; 5'-AMP-activated protein kinase catalyt; anti-AMPK alpha antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	AMPK alpha (Phospho-Thr172) Antibody detects endogenous levels of AMPK alpha only when phosphorylated at Thr172.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	574
Applicable Applications for anti-AMPK alpha antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Target Modification	Phospho
Modification Sites	H:T183/172; M:T183/172; R:T183/172
Immunogen	The antiserum was produced against synthesized peptide derived from human AMPK alpha around the phosphorylation site of Thr172.
Immunogen Range	140-189
Preparation and Storage	Stable at -20 degree C for at least 1 year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using AMPK alpha (Phospho-Thr172) Antibody. The picture on the right is blocked with the phospho peptide.

WB (Western Blot)
Western blot analysis of lysates from COS7 cells, using AMPK alpha (Phospho-Thr172) Antibody. The lane on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94557301
NCBI GeneID	5562
NCBI Accession #	NP_006242.5
NCBI GenBank Nucleotide #	NM_006251.5
UniProt Accession #	Q13131; O00286; Q5D0E1; Q86VS1; Q9UNQ4; A8MTQ6; B2R7E1
Molecular Weight	62 kDa
NCBI Official Full Name	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	protein kinase AMP-activated catalytic subunit alpha 1
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	PRKAA1
UniProt Synonym Gene Names	AMPK1; HMGCR kinase

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.