

Rabbit anti-Human, Mouse AMPK alpha 1 Polyclonal Antibody | anti-AMPKalpha1 antibody

Rabbit anti-AMPK alpha 1 IHC Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213720	Rabbit	Human, Mouse	Immunohistochemistry

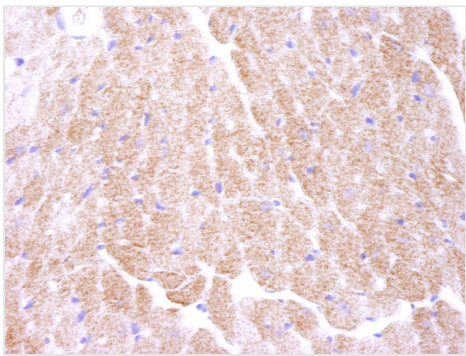
PRODUCT SYNONYMS

AMPK alpha 1; Polyclonal Antibody; Rabbit anti-AMPK alpha 1 IHC Antibody; Affinity Purified; AMP-activate kinase alpha 1 subunit; AMPK subunit alpha-1; tau-protein kinase PRKAA1; protein kinase; AMP-activated; alpha 1 catalytic subunit; hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; AMPKa1; AMP-activated protein kinase; catalytic; alpha-1; acetyl-CoA carboxylase kinase; ACACA kinase; 5'-AMP-activated protein kinase; catalytic alpha-1 chain; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK; protein kinase AMP-activated catalytic subunit alpha 1; anti-AMPKalpha1 antibody

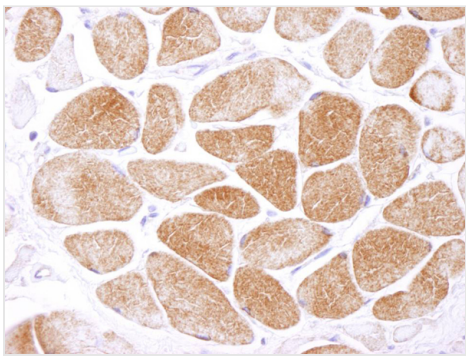
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	50ug/ml (varies by lot)
Applicable Applications for anti-AMPKalpha1 antibody	IHC (Immunohistochemistry)
Predicted Reactivity	Rat, Chicken, Turkey, Bovine, Dog, Horse, Rabbit, Pig, Panda, Orangutan, Monkey, Gorilla, Chimpanzee, West Indian ocean coelacanth, Crab-eating macaque, White-tufted-ear marmoset, Tasmanian devil, Duckbill platypus, Medaka fish, Naked mole rat, Gray short-tailed opossum, Green anole, African elephant, Little brown bat, Three-spined stickleback, Thirteen-lined ground squirrel, Small-eared galago, Nile tilapia, Ferret, Zebra finch, Northern white-cheeked gibbon, Chinese hamster
Immunogen	Between 375 and 425
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IHC (Immunohistochemistry)
Detection of mouse AMPK alpha 1 by immunohistochemistry. Samples: FFPE section of mouse heart. Antibody: Affinity purified rabbit anti-AMPK alpha 1 (Cat. No. AAA213720) used at a dilution of 1:250. Detection: DAB



IHC (Immunohistochemistry)
Detection of human AMPK alpha 1 by immunohistochemistry. Samples: FFPE section of human skeletal muscle. Antibody: Affinity purified rabbit anti-AMPK alpha 1 (Cat. No. AAA213720) used at a dilution of 1:250. Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-AMPKalpha1 antibody	AMP-activated protein kinase (AMPK) is a heterotrimeric protein made up of a catalytic alpha subunit, and a regulatory beta and gamma subunit. There are two distinct genes for the alpha subunit, alpha1 and alpha2. AMPK alpha 1 is the serine/threonine kinase catalytic subunit of the AMPK. AMPK is responsible for regulating fatty acid and cholesterol synthesis. AMPK is activated in response to a wide variety of metabolic stresses and switches off anabolic pathways when ATP levels are depleted.
Product Categories/Family for anti-AMPKalpha1 antibody	Primary Antibodies

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	63kDa
NCBI Official Full Name	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1; ACACA kinase; AMPK alpha 1; HMGCR kinase; AMPK subunit alpha-1; tau-protein kinase PRKAA1; acetyl-CoA carboxylase kinase; AMP -activate kinase alpha 1 subunit; hydroxymethylglutaryl-CoA reductase
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	PRKAA1
UniProt Synonym Gene Names	AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase
UniProt Entry Name	AAPK1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ampk-alpha-1-antibody-immunohistochemistry-elisa/213720>