

Rabbit AMPK Polyclonal Antibody | anti-AMPK antibody

AMPK antibody (Ser485/Ser491)

CATALOG # AAA108352	HOST Rabbit	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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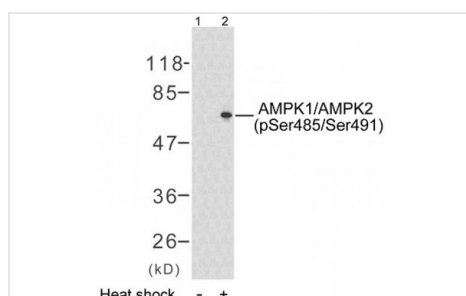
PRODUCT SYNONYMS

AMPK; Polyclonal Antibody; AMPK antibody (Ser485/Ser491); Polyclonal AMPK; Anti-AMPK; 5'-AMP-activated protein kinase catalytic subunit alpha-2; 5'-AMP-activated protein kinase; catalytic alpha-2 chain; AAPK2; AMPK subunit alpha-2; AMPK-alpha-2 chain; AMPK2; PRKAA; PRKAA2; protein kinase; AMP-activated; alpha 2 catalytic subunit; anti-AMPK antibody

PRODUCT SPECIFICATIONS

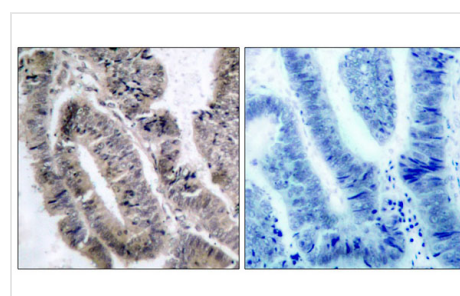
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	AMPK Antibody detects endogenous levels of AMPK only when phosphorylated at Serine 485 or Serine 491
Form/Format	Supplied in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	552
Applicable Applications for anti-AMPK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	AMPK is a catalytic subunit of AMP-activated protein kinase (AMPK). Acts as an energy sensor, playing a key role in regulating cellular energy metabolism.
Cross-Reactivity	Mouse, Rat
Immunogen	AMPK antibody was raised in Rabbit using synthesized phosphopeptide derived from human AMPK around the phosphorylation site of Serine 485/491 as the immunogen
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis using AMPK1/AMPK2 (Phospho-Ser485/Ser491) antibody. Lane 1: The extracts from HeLa cells; Lane 2: The extracts from HeLa cells treated with heat shock



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded colon carcinoma, using AMPK1/AMPK2 (Phospho-Ser485/Ser491) antibody. Left: Untreated; Right: Treated with synthesized phosphopeptide

ADDITIONAL INFORMATION

Related Product Information for anti-AMPK antibody	Purified Rabbit polyclonal AMPK antibody (Ser485/Ser491)
Product Categories/Family for anti-AMPK antibody	Proteases; Inhibitors; & Enzymes; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	786491
NCBI GeneID	5563
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ampk-antibody-immunohistochemistry-western-blot-elisa/108352>