

AMPK1/AMPK2 Antibody | anti-AMPK1/AMPK2 antibody

AMPK1/AMPK2 (Phospho-Ser485/Ser491) Antibody

CATALOG # AAA267673	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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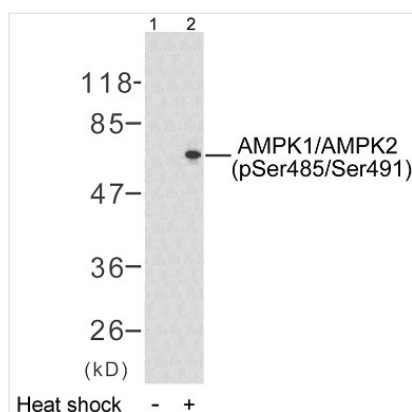
PRODUCT SYNONYMS

AMPK1/AMPK2; AMPK1/AMPK2 (Phospho-Ser485/Ser491) Antibody; anti-AMPK1/AMPK2 antibody

PRODUCT SPECIFICATIONS

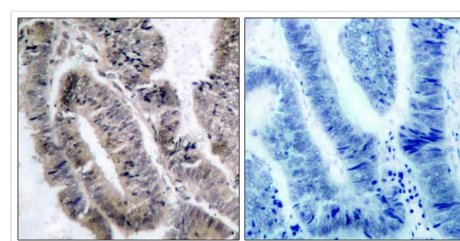
Reactivity	Human, Mouse, Rat
Specificity	AMPK1/AMPK2 (Phospho-Ser485/Ser491) Antibody detects endogenous levels of AMPK1/AMPK2 only when phosphorylated at Serine 485 or Serine 491.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	559
Applicable Applications for anti-AMPK1/AMPK2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human AMPK1/AMPK2 around the phosphorylation site of Serine 485/491(S-G-SP-V-S).
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. Line1: The extracts from HeLa cells; Line2: 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

References	Kim JE, et al. (2005) J Proteome Res. 4(4): 1339-1346. Woods A, et al. (2003) J Biol Chem. 278(31): 28434-28442.
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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	65,523 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/ampk1-ampk2/267673>