

AMPK beta1 Antibody | anti-AMPK beta1 antibody

AMPK beta1 (Phospho-Ser181) Antibody

CATALOG # AAA111477	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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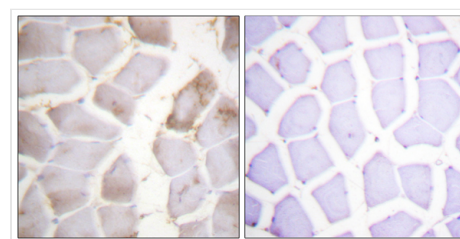
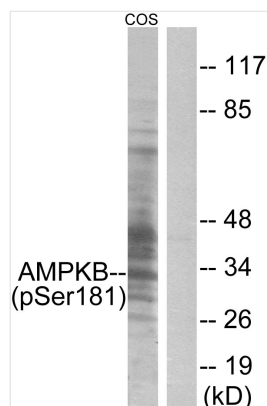
PRODUCT SYNONYMS

AMPK beta1; AMPK beta1 (Phospho-Ser181) Antibody; 5'-AMP-activated protein kinase subunit beta-1; AMPK subunit beta-1; AMPKb; PRKAB1; AMPK; anti-AMPK beta1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	AMPK beta1 (Phospho-Ser181) antibody detects endogenous levels of AMPK beta1 only when phosphorylated at serine 181.
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	270
Applicable Applications for anti-AMPK beta1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human AMPK beta1 around the phosphorylation site of serine 181 (S-S-SP-P-P).
All Sites	Human: Ser182 Mouse: Ser182 Rat: Ser182
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using AMPK beta1 (Phospho-Ser181) antibody. Western blot analysis of extracts from COS7 cells treated with PMA (125ng/ml, 30mins), using AMPK beta1 (Phospho-Ser181) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-AMPK beta1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Carling D., Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases. Stapleton D., FEBS Lett. 409:452-456(1997). Yamagata K., Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923359
NCBI GeneID	5564
NCBI Accession #	NP_006244.2
NCBI GenBank Nucleotide #	NM_006253.4
UniProt Accession #	Q9Y478; Q9UBV0; Q9UE20; Q9UEX2; Q9Y6V8
Molecular Weight	30,382 Da
NCBI Official Full Name	5'-AMP-activated protein kinase subunit beta-1
NCBI Official Synonym Full Names	protein kinase AMP-activated non-catalytic subunit beta 1
NCBI Official Symbol	PRKAB1
NCBI Official Synonym Symbols	AMPK; HAMPKb
NCBI Protein Information	5'-AMP-activated protein kinase subunit beta-1
UniProt Protein Name	5'-AMP-activated protein kinase subunit beta-1
UniProt Gene Name	PRKAB1
UniProt Synonym Gene Names	AMPK; AMPK subunit beta-1; AMPKb

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/ampk-beta1/111477>