

AMPKbeta1 Antibody | anti-AMPKbeta1 antibody

AMPKbeta1 (Phospho-Ser182) Antibody

CATALOG # AAA111223	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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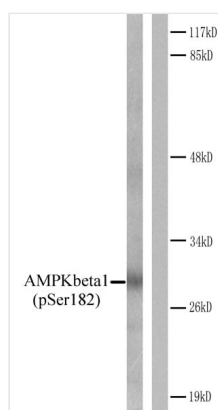
PRODUCT SYNONYMS

AMPKbeta1; AMPKbeta1 (Phospho-Ser182) Antibody; anti-AMPKbeta1 antibody

PRODUCT SPECIFICATIONS

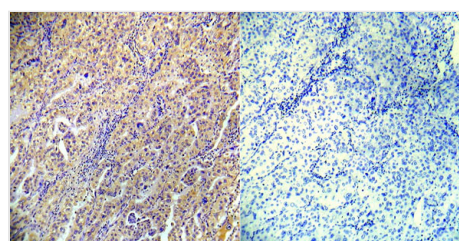
Reactivity	Human, Mouse, Rat
Specificity	AMPKbeta1 (phospho-Ser182) antibody detects endogenous levels of AMPKbeta1 only when phosphorylated at serine 182.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against 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-AMPKbeta1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human AMPKbeta1 around the phosphorylation site of serine 182 (S-S-SP-P-P).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells. Left: Using AMPKbeta1 (phospho-Ser182) antibody. Right: Using the same antibody preincubated with synthesized peptide.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using AMPKbeta1 (phospho-Ser182).

ADDITIONAL INFORMATION

Product Categories/Family for anti-AMPKbeta1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Warden, S.M. et al. (2001) Biochem. J. 354, 275-283. Yin W, Mu J, Birnbaum MJ (2003) J Biol Chem 278, 43074-80 Hardie, D.G. (2004) J. Cell Sci. 117, 5479-5487. Shaw, R. et al. (2004) Proc. Natl. Acad. Sci. USA 101, 3329-3335. Watt MJ, et al. (2006) Am J Physiol Endocrinol Metab 290, E500-8.
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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.