

Rabbit AMPK beta1 Polyclonal Antibody | anti-PRKAB1 antibody

AMPK beta1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322466	Rabbit	Human, Mouse, Rat, Monkey	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

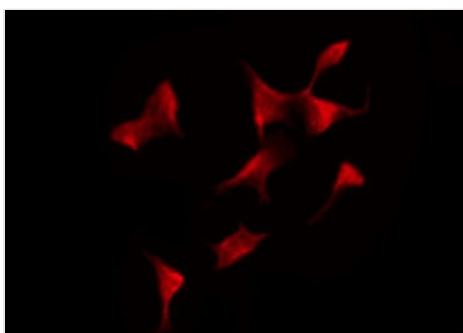
PRODUCT SYNONYMS

AMPK beta1; Polyclonal Antibody; AMPK beta1 Antibody; 1300015D22Rik; 5"-AMP-activated protein kinase subunit beta-1; 5'-AMP-activated protein kinase beta-1 subunit; AAKB1_HUMAN; AMP-activated protein kinase beta subunit; AMP-ACTIVATED PROTEIN KINASE; NONCATALYTIC; BETA-1; AMP-activated; noncatalytic; beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; AU021155; E430008F22; HAMPKb; MGC17785; PRKAB1; Protein kinase AMP activated non catalytic subunit beta 1; protein kinase; beta 1 non-catalytic subunit; anti-PRKAB1 antibody

PRODUCT SPECIFICATIONS

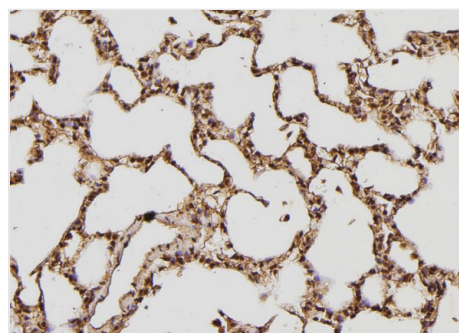
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Specificity	AMPK beta 1 Antibody detects endogenous levels of total AMPK beta 1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PRKAB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AMPK beta 1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES



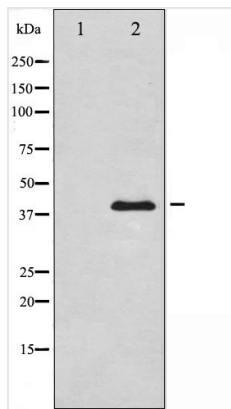
IF (Immunofluorescence)

AAA322466 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA322466 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of AMPK beta1 expression in COS7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAB1 antibody

AMPK β 1 is a member of the SNF1 kinase family. It is a heterotrimeric protein comprising of an alpha (catalytic), beta (non-catalytic) and gamma (non-catalytic) subunits, 63, 38 and 38kDa respectively. AMPK β 1 regulates fatty acid and sterol synthesis by phosphorylation of acetyl-coA.

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	38kDa
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/polyclonal/ampk-beta1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322466>