

Rabbit anti-Human PRKAB1 Polyclonal Antibody | anti-PRKAB1 antibody

PRKAB1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280895	Rabbit	Human	Immunohistochemistry, Western Blot

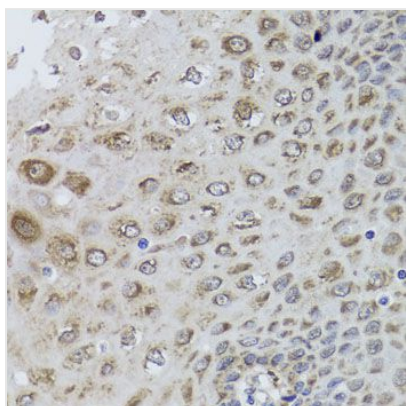
PRODUCT SYNONYMS

PRKAB1; Polyclonal Antibody; PRKAB1 Polyclonal Antibody; AMPK; HAMPKb; anti-PRKAB1 antibody

PRODUCT SPECIFICATIONS

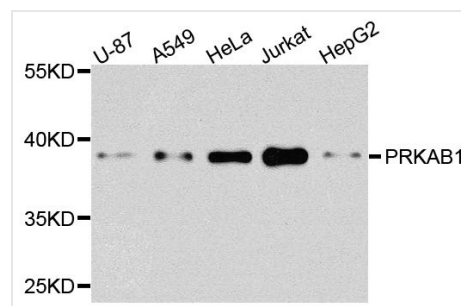
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	270
Applicable Applications for anti-PRKAB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PRKAB1
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using PRKAB1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRKAB1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAB1 antibody	The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex.
Product Categories/Family for anti-PRKAB1 antibody	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	14194425
NCBI GeneID	5564
UniProt Accession #	Q9Y478; Q9UBV0; Q9UE20; Q9UEX2; Q9Y6V8
Molecular Weight	30kDa
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.