

Rabbit PRKAB2 Polyclonal Antibody | anti-PRKAB2 antibody

PRKAB2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281022	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PRKAB2; Polyclonal Antibody; PRKAB2 Polyclonal Antibody; anti-PRKAB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MGNTTSDRVSGERHGAKAARSEGAGGHAPGKEHKIMVGSTDDPSVFSLPD SKLPGDKEFVSWQQDLEDSVKPTQQARPTVIRWSEGGKEVFISGSFNNWSTKIPLIKSHNDFVAILDLPEGEHQYKFFVDGQWVHDPSEPVVTSQLGTINLIHVKKSDFEVFDALKLDSMESSETSCRD LSSSPGPYQEMYAFRSEERFKSPPIPPP HLLQVILNKD TNISCDPALL PEPNHVMLNH LYALSIKDSV MVLSA
Sequence Length	272
Applicable Applications for anti-PRKAB2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PRKAB2
Immunogen Species	Human
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



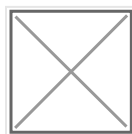
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PRKAB2 antibody. Blue: DAPI for nuclear staining.



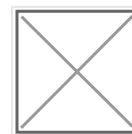
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using PRKAB2 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PRKAB2 Antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRKAB2 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-PRKAB2 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. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. Multiple alternatively spliced transcript variants have been found for this gene.
Product Categories/Family for anti-PRKAB2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885561
NCBI GeneID	5565
NCBI Accession #	NP_005390.1
NCBI GenBank Nucleotide #	NM_005399.4
UniProt Accession #	O43741 ; Q5VXY0 ; A8K9V5 ; B4DH06
Molecular Weight	Calculated: 21kDa; 30kDa Observed: 35kDa
NCBI Official Full Name	5'-AMP-activated protein kinase subunit beta-2
NCBI Official Synonym Full Names	protein kinase AMP-activated non-catalytic subunit beta 2
NCBI Official Symbol	PRKAB2
NCBI Protein Information	5'-AMP-activated protein kinase subunit beta-2
UniProt Protein Name	5'-AMP-activated protein kinase subunit beta-2
UniProt Gene Name	PRKAB2
UniProt Synonym Gene Names	AMPK subunit beta-2

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/prkab2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281022>