

Rabbit PRKAB2 Polyclonal Antibody | anti-PRKAB2 antibody

PRKAB2 Polyclonal Antibody

CATALOG # AAA311441	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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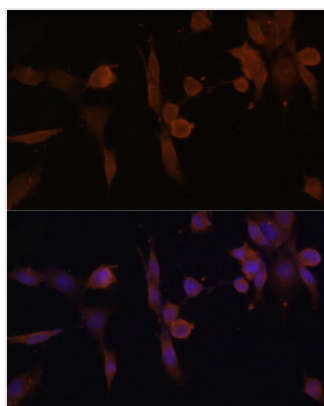
PRODUCT SYNONYMS

PRKAB2; Polyclonal Antibody; PRKAB2 Polyclonal Antibody; 5'-AMP-activated protein kinase subunit beta-2; anti-PRKAB2 antibody

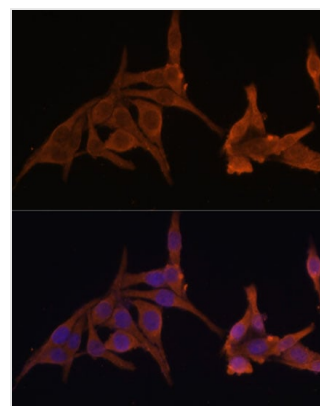
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 50% glycerol, pH7.4
Applicable Applications for anti-PRKAB2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human PRKAB2 (NP_005390.1).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

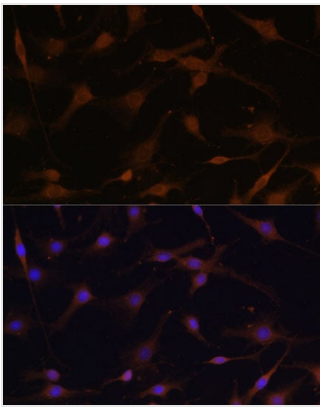
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using PRKAB2 Polyclonal Antibody.

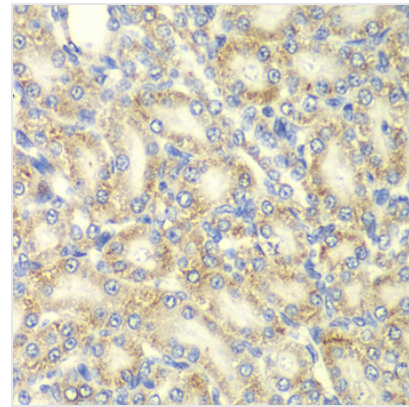

IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PRKAB2 Polyclonal Antibody.



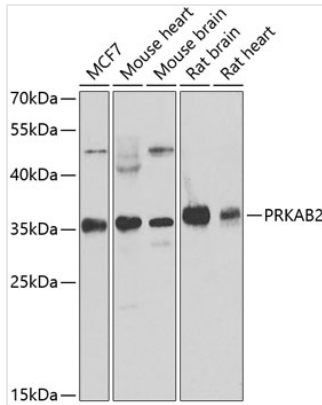
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using PRKAB2 Polyclonal Antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using PRKAB2 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRKAB2 antibody.

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	Total protein Ab

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	21,485 Da
NCBI Official Full Name	5'-AMP-activated protein kinase subunit beta-2
NCBI Official Synonym Full Names	protein kinase, AMP-activated, beta 2 non-catalytic subunit

NCBI Official Symbol	PRKAB2
NCBI Protein Information	5'-AMP-activated protein kinase subunit beta-2; 5'-AMP-activated protein kinase, beta-2 subunit; AMP-activated protein kinase beta 2 non-catalytic subunit; AMPK beta 2; AMPK beta-2 chain; AMPK 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
UniProt Entry Name	AAKB2_HUMAN

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://www.aaabiotech.com/polyclonal/prkab2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/311441>