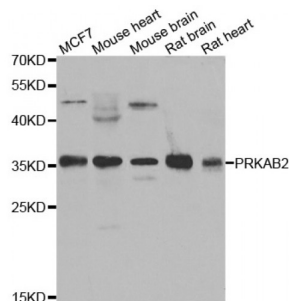


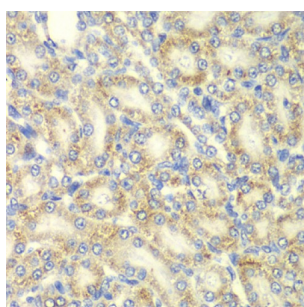
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Protein Kinase, AMP Activated Beta 2 (PRKAB2) Antibody

Catalogue No.: abx005275



Western blot analysis of extracts of various cell lines, using PRKAB2 antibody (abx005275) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded rat kidney using PRKAB2 antibody (abx005275) at dilution of 1/100 (40x lens).

PRKAB2 Antibody is a Rabbit Polyclonal antibody against PRKAB2. 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.

Target: PRKAB2

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IHC

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human PRKAB2.

Purification: Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 21 kDa/30 kDa Observed MW: 35 kDa
Swiss Prot:	O43741
GeneID:	5565
Gene Symbol:	PRKAB2
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.