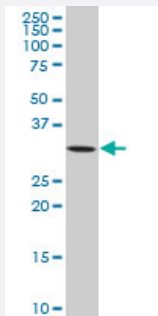


PRKAB2 polyclonal antibody (A01)

Catalog # H00005565-A01

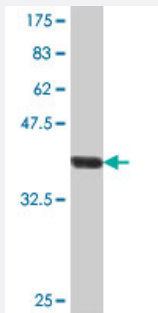
Size 50 uL

Applications



Western Blot (Cell lysate)

PRKAB2 polyclonal antibody (A01), Lot # 060626JCS1 Western Blot analysis of PRKAB2 expression in HepG2 (Cat # L019V1).



Western Blot detection against Immunogen (38.21 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PRKAB2.
Immunogen	PRKAB2 (NP_005390, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag.
Sequence	MGNTTSDRVSGERHGAKAARSEGAGGHAPGKEHKIMVGSTDDPSVFSLPDSKLPGDKEFVSW QQDLEDSVKPTQQARPTVIRWSEGGKEVFISGSFNNWSTKIPLIKSHN
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 kDa) .

Storage Buffer	50 % glycerol
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Cell lysate)

PRKAB2 polyclonal antibody (A01), Lot # 060626JCS1 Western Blot analysis of PRKAB2 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PRKAB2

Entrez GeneID	5565
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GeneBank Accession#	NM_005399
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Protein Accession#	NP_005390
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Gene Name	PRKAB2
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Gene Alias	MGC61468
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Gene Description	protein kinase, AMP-activated, beta 2 non-catalytic subunit
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Omim ID	602741
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Gene Ontology	Hyperlink
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Gene Summary	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. [provided by RefSeq]
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Other Designations

5'-AMP-activated protein kinase, beta-2 subunit|AMP-activated protein kinase beta 2 non-catalytic subunit|AMPK beta 2|AMPK beta-2 chain|OTTHUMP00000015910

Pathway

- [Adipocytokine signaling pathway](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Insulin signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)