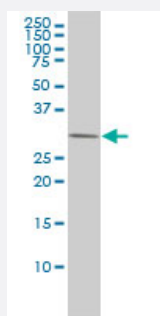


PRKAB2 monoclonal antibody (M01), clone 2G9

Catalog # H00005565-M01

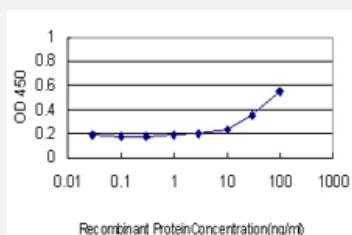
Size 100 ug

Applications



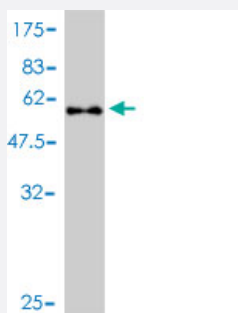
Western Blot (Cell lysate)

PRKAB2 monoclonal antibody (M01), clone 2G9 Western Blot analysis of PRKAB2 expression in Hela (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKAB2 is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (55.66 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PRKAB2.

Immunogen	PRKAB2 (AAH53610, 1 a.a. ~ 272 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGNTTSDRVSGERHGAKAARSEGAGGHAPGKEHKIMVGSTDDPSVFSLPDSKLPGDKEFVSW QQDLED SVKPTQQARPTVIRWSEGGKEVFISGSFNNWSTKIPLIKSHNDFVAILDLPEGEHQYKFF VDGQWVHDPSEPVVTSQLGTINNLHVKKSDFEVFDALKLDSMESSETSCRDLSSSPPGPYGQE MYAFRSEERFKSPPIPPHLLQVILNKDTNISCDPALLPEPNHVMLNHLIALSIKDSVMVLSATHRY KKKYVTLLYKPI
Host	Mouse
Reactivity	Human
Isotype	IgG2b kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.66 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PRKAB2 monoclonal antibody (M01), clone 2G9 Western Blot analysis of PRKAB2 expression in Hela (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRKAB2 is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PRKAB2

Entrez GeneID

[5565](#)

GeneBank Accession#	BC053610
Protein Accession#	AAH53610
Gene Name	PRKAB2
Gene Alias	MGC61468
Gene Description	protein kinase, AMP-activated, beta 2 non-catalytic subunit
Omim ID	602741
Gene Ontology	Hyperlink
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]
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](#)