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- Diagnostik & molekulare Diagnostik
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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAB1 293T Cell Transient Overexpression Lysate(Denatured)

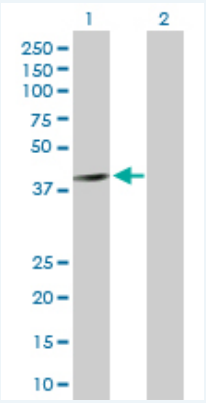
Catalog # : H00005564-T01 **規格 :** [100 uL]

List All

Specification

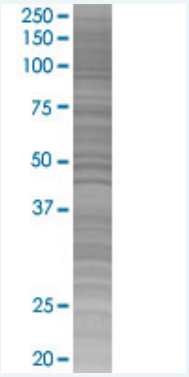
Transfected Cell Line:	293T
Plasmid:	pCMV-PRKAB1 full-length
Host:	Human
Theoretical MW (kDa):	30.4
Quality Control Testing:	Transient overexpression cell lysate was tested with Anti-PRKAB1 antibody (H00005564-D01P) by Western Blots.

Western Blot



Lane 1: PRKAB1 transfected lysate (30.40 KDa)
Lane 2: Non-transfected lysate.

SDS-PAGE Gel



PRKAB1 transfected lysate.

Storage Buffer:	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction:	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID:	5564
GeneBank Accession#:	NM_006253
Protein Accession#:	NP_006244.2
Gene Name:	PRKAB1
Gene Alias:	AMPK,HAMPKb,MGC17785
Gene Description:	protein kinase, AMP-activated, beta 1 non-catalytic subunit
Omim ID:	602740
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. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. [provided by RefSeq
Other Designations:	5'-AMP-activated protein kinase beta-1 subunit,AMP-activated protein kinase beta 1 non-catalytic subunit,AMP-activated protein kinase beta subunit,AMPK beta -1 chain,AMPK beta 1,protein kinase, AMP-activated, noncatalytic, beta-1

Gene Pathway

Adipocytokine signaling pathway Hypertrophic cardiomyopathy (HCM)
Insulin signaling pathway

Related Disease

Alzheimer Disease Alzheimer disease Atherosclerosis Calcinosis Cardiovascular Diseases
Coronary Artery Disease Diabetes Complications Diabetes Mellitus
Diabetes Mellitus, Type 2 Drug Toxicity Edema Metabolic Syndrome X Neoplasms
Osteoporosis