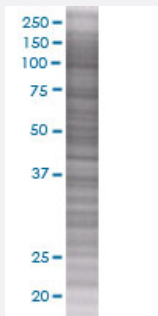


PRKAG2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00051422-T01

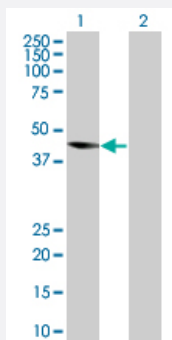
Size 100 uL

Applications



SDS-PAGE Gel

PRKAG2 transfected lysate.



Western Blot

Lane 1: PRKAG2 transfected lysate (37.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRKAG2 full-length
Host	Human
Theoretical MW (kDa)	36.19
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PRKAG2 antibody ([H00051422-B01](#)) by Western Blots.
SDS-PAGE Gel
PRKAG2 transfected lysate.
Western Blot
Lane 1: PRKAG2 transfected lysate (37.5 KDa)
Lane 2: Non-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.

Applications

- Western Blot

Gene Info — PRKAG2

Entrez GeneID

[51422](#)

GeneBank Accession#

[NM_024429](#)

Protein Accession#

-

Gene Name

PRKAG2

Gene Alias

AAKG, AAKG2, CMH6, H91620p, WPWS

Gene Description

protein kinase, AMP-activated, gamma 2 non-catalytic subunit

Omim ID

[194200 600858 602743](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK gamma subunit family and encodes a protein with four cystathionine beta-synthase domains. Mutations in this gene have been associated with ventricular pre-excitation (Wolff-Parkinson-White syndrome), progressive conduction system disease and cardiac hypertrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

AMP-activated protein kinase gamma2 subunit|AMPK gamma2

Pathway

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

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiomegaly](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Rectal Neoplasms](#)
- [Tobacco Use Disorder](#)