

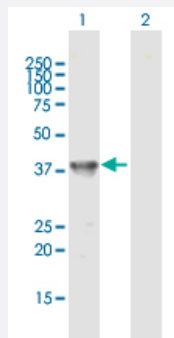
MaxPab®

PRKAG2 MaxPab mouse polyclonal antibody (B01)

Catalog # H00051422-B01

Size 50 uL

Applications

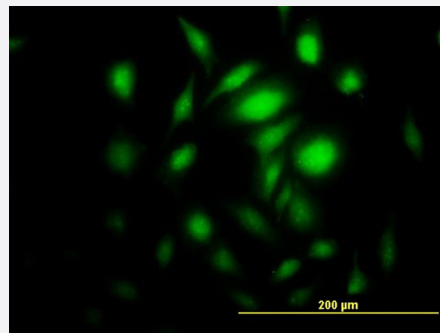


Western Blot (Transfected lysate)

Western Blot analysis of PRKAG2 expression in transfected 293T cell line ([H00051422-T01](#)) by PRKAG2 MaxPab polyclonal antibody.

Lane 1: PRKAG2 transfected lysate(36.08 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PRKAG2 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PRKAG2 protein.

Immunogen

PRKAG2 (NP_077747.1, 1 a.a. ~ 328 a.a) full-length human protein.

Sequence

MLEKLEFEDEAVEDSESGVYMRFMRSKCYDMPTSSKLVVFDITLQVKKAFFALVANGVRAAP
LWESKKQSFVGMLTITDFINILHRYKSPMVQYELEEHKIETWRELYLQETFKPLVNISPDASLFDA
VYSLIKNKIHRPLVIDPISGNALYLTHKRILKFLQLFMSDMPKPAFMKQNLDELIGITYHNIAFIHPDTP
IICALNIFVERRISALPVVDESGKVVDIYSKFDVINLAAEKTNNLDITVTQALQHRISQYFEGVVKCNK
LEILETIVDRVRAEVHRLVVVNEADSIVGIISLSDILQALILTPAGAKQKETETE

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — PRKAG2

Entrez GeneID	51422
GeneBank Accession#	NM_024429
Protein Accession#	NP_077747.1
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](#)