

DNAxPAb

Hard-to-Find
Antibody

PRKAG2 DNAxPab

Catalog # H00051422-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PRKAG2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLEKLEFEDEAVEDSESGVYMRFMRSKCYDMPTSSKLVVFDITLQVKKAFFALVANGVRAAP LWESKKQSFVGMLTITDFINILHRYKSPMVQYEEHKKIETWRELYLQETFKPLVNISPDASLFDA VYSLIKNKIHRPLVIDPISGNALYILTHKRILKFLQLFMSDMPKPAFMKQNLDELGIGTYHNIAFIHPDTP IILKALNIFVERRISALPVVDESGKVVDIYSKFDVINLAAEKTNNLDITVTQALQHRSQYFEGVVCKNK LEILETIVDRMRAEVHRLVVVNEADSVGIISLSDILQALILTPAGAKQKETETE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PRKAG2

Entrez GeneID [51422](#)

GeneBank Accession# [NM_024429.1](#)

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](#)