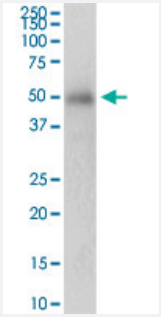
MaxPab®

PRKAG2 purified MaxPab rabbit polyclonal antibody (D01P)

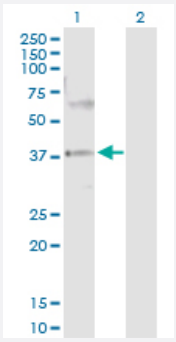
Catalog # H00051422-D01P Size 100 ug

Applications



Western Blot (Tissue lysate)

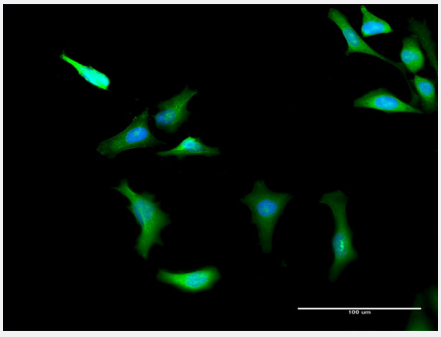
PRKAG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of PRKAG2 expression in human stomach.



Western Blot (Transfected lysate)

Western Blot analysis of PRKAG2 expression in transfected 293T cell line (H00051422-T02) by PRKAG2 MaxPab polyclonal antibody.

Lane 1: PRKAG2 transfected lysate(37.50 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PRKAG2 on HeLa cell. [antibody concentration 20 ug/ml]

Specification

Product Description	Rabbit 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	MLEKLEFEDEAVEDSESGVYMRFMRSHKCYDIVPTSSKLVVFDTTLQVKKAFFALVANGVRAAP LWESKKQSFVGMLTITDFINILHRYYKSPMVQIYELEEHKIETWRELYLQETFKPLVNISPDASLFDA VYSLIKNKIHRLPVIDPISGNALYILTHKRILKFLQLFMSDMPKPAFMKQNLDELGIGTYHNIAFIHPDTP IIKALNIFVERRISALPVVDESGKVVDIYSKFDVINLAAEKTYNNLDITVTQALQHRSQYFEGVVKCNK LEILETIVDRIVRAEVHRLVVVNEADSIVGIISLSDILQALILTPAGAKQKETETE
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 (Tissue lysate)

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  Protocol Download

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- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to PRKAG2 on HeLa cell. [antibody concentration 20 ug/ml]

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 s ubunit, 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 e nzyme that monitors cellular energy status and functions by inactivating key enzymes involved in re gulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK g amma subunit family and encodes a protein with four cystathionine beta-synthase domains. Mutati ons in this gene have been associated with ventricular pre-excitation (Wolff-Parkinson-White synd rome), 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