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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKAG1 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00005571-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit polyclonal antibody raised against a full-length human PRKAG1 protein.

Immunogen: PRKAG1 (NP_997626.1, 1 a.a. ~ 247 a.a) full-length human protein.

Sequence:
 MLTITDFINILHRYYSALVQIYELEEHKIETWREVYLQDSFKPLVCISPNAS
 LFDAVSSLIRNKIHRLPVIDPESGNTLYILTHKRILKFLKLFITEFPKPEFMASK
 SLEELQIGTYANIAMVRTTTPVYVALGIFVQHRVSALPVVDEKGRVVDIYS
 KFDVINLAAEKTYYNLDVSVTKALQHRSHYFEGVLKCYLHETLETIINRLVE
 AEVHRLVVVDENDVVKGIVSLSDILQALVLTGGEKPK

Host: Rabbit

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

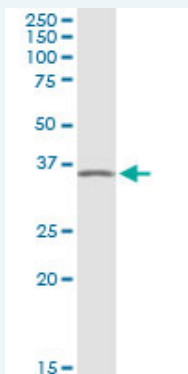
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Applications

Western Blot (Cell lysate)



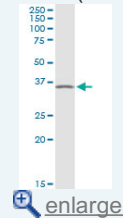
PRKAG1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PRKAG1 expression in A-431.

 [Protocol Download](#)

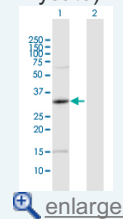
Western Blot (Transfected lysate)

Application Image

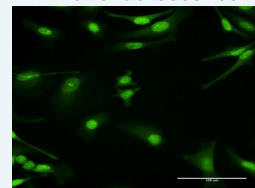
Western Blot (Cell lysate)

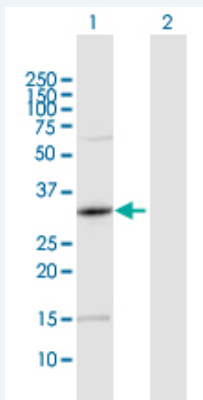


Western Blot (Transfected lysate)



Immunofluorescence



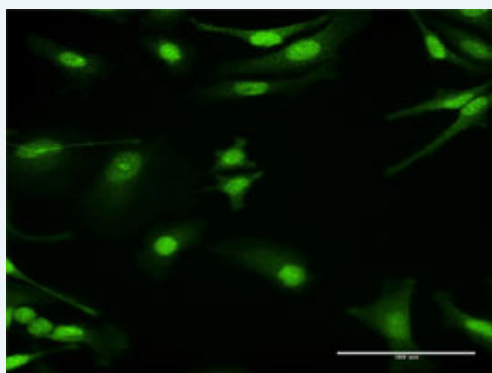



Western Blot analysis of PRKAG1 expression in transfected 293T cell line (H00005571-T04) by PRKAG1 MaxPab polyclonal antibody.

Lane 1: PRKAG1 transfected lysate(28.30 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to PRKAG1 on HeLa cell. [antibody concentration 10 ug/ml]

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Gene Information

Entrez GeneID: [5571](#)

GeneBank [NM_212461](#)
Accession#:

Protein [NP_997626.1](#)
Accession#:

Gene Name: PRKAG1

Gene Alias: AMPKG,MGC8666

Gene Description: protein kinase, AMP-activated, gamma 1 non-catalytic subunit

Omim ID: [602742](#)

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 is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations: 5'-AMP-activated protein kinase, gamma-1 subunit,AMP-activated protein kinase, noncatalytic gamma-1 subunit,AMPK gamma-1 chain

Gene Pathway

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

Related Disease

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