

## Datasheet

### PRKAG1 purified MaxPab rabbit polyclonal antibody (D01P)

**Catalog Number:** H00005571-D01P

**Regulation Status:** For research use only (RUO)

**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:**

MLTITDFINILHRYYKSALVQIYELEEHKIETWREVYLQD  
SFKPLVCISPNASLFDVSSLRNKHRLPVIDPESGNTL  
YILTHKRILKFLKLFITEFPKPEFMSKSLEELQIGTYANIA  
MVRTTTPVYVALGIFVQHRVSALPVVDEKGRVVDIYSK  
FDVINLAAEKTNNLDVSVTKALQHRSHYFEGVLKCYL  
HETLETIINRLVEAEVHRLVVVDENDVVKGIVSLSDILQA  
LVLTGGEKKP

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IF, WB-Ce, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** In 1x PBS, pH 7.4

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

**Entrez GeneID:** 5571

**Gene Symbol:** PRKAG1

**Gene Alias:** AMPKG, MGC8666

**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]