

Anti-PRKAG1/2/3 Polyclonal Antibody

Cat: K108070P

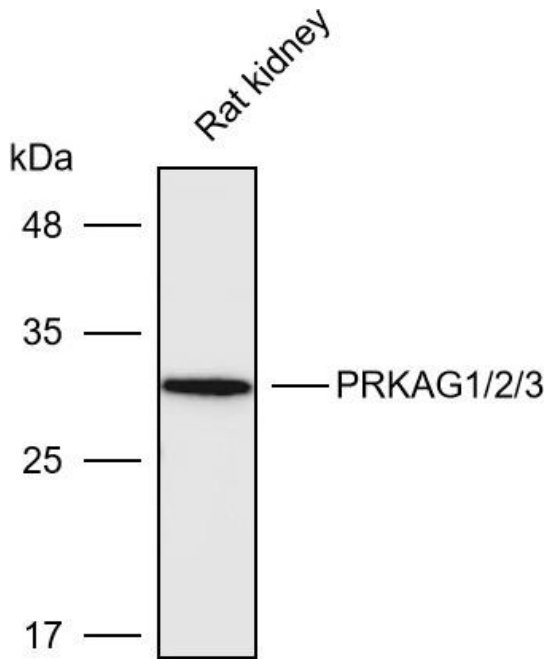
Summary:

【Product name】 : Anti-PRKAG1/2/3 antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Human Mouse Rat
【Swiss Prot】 : P54619/Q9UGJ0/Q9UGI9	【Gene ID】 : 5571/51422/53632
【Calculated】 : MW:34/37kDa	【Observed】 : MW:32kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB IHC	
【Recommended dilution】 : WB 1:2000-5000. IHC 1:50-200.	
【WB Positive sample】 : Rat kidney	
【IHC Positive sample】 : Human prostate cancer	
【Subcellular location】 : Cytoplasm Nucleus Secreted	
【Immunogen】 : A synthetic peptide of Human PRKAG1/2/3	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

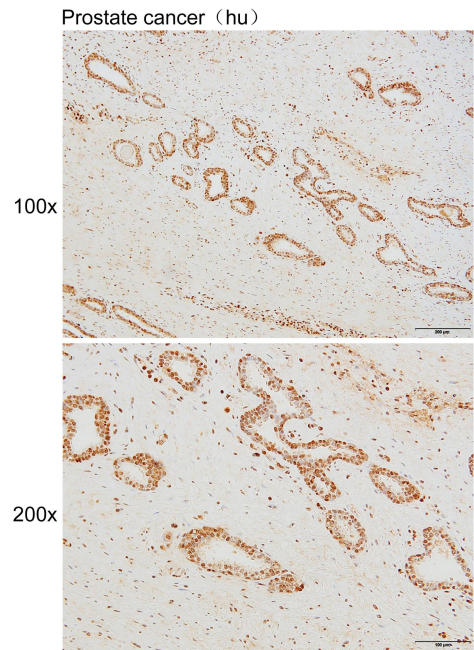
Background:

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..

Verified picture



Western blot analysis with PRKAG1/2/3 antibody diluted at 1:4000; Lane: Rat kidney



Immunohistochemistry of paraffin-embedded Human prostate cancer with PRKAG1/2/3 antibody diluted at 1:80