

anti- AMPK gamma 1 antibody

Product Information

Catalog No.:	FNab00379
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
Synonyms:	AMPK gamma1, AMPK subunit gamma 1, AMPKG, PRKAG1
Observed MW:	38 kDa
Uniprot ID :	P54619

Application

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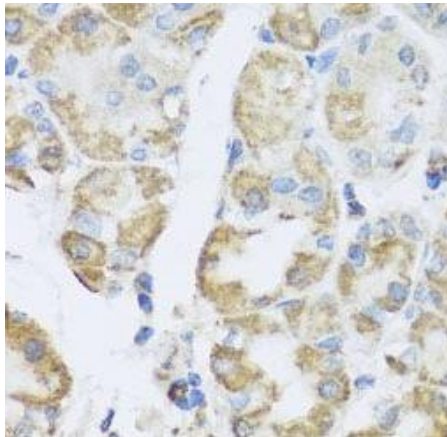
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Reactivity: Human, Mouse, Rat

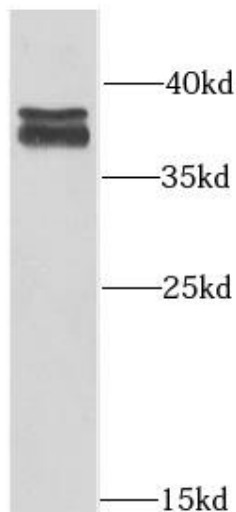
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:100

Image:



Immunohistochemistry of paraffin-embedded human stomach using FNab00379(PRKAG1 Antibody) at dilution of 1:50



K-562 cells were subjected to SDS PAGE followed by western blot with FNab00379(PRKAG1 Antibody) at dilution of 1:1000

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