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Product datasheet for TA308033

PRKAG2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:5000-1:20000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 386 and 569 of AMPK gamma 2 (Uniprot ID#Q9UGJ0)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	protein kinase AMP-activated non-catalytic subunit gamma 2
Database Link:	NP_001035723 Entrez Gene 108099 MouseEntrez Gene 51422 Human Q9UGJ0

View online »

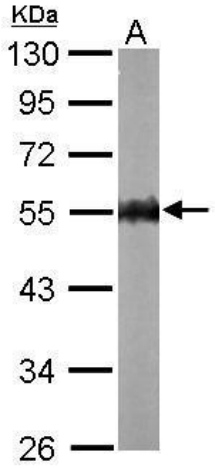
Background: AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK gamma subunit family and encodes a protein with four cystathionine beta-synthase domains. Mutations in this gene have been associated with ventricular pre-excitation (Wolff-Parkinson-White syndrome), progressive conduction system disease and cardiac hypertrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Synonyms: AAKG; AAKG2; CMH6; H91620p; WPWS

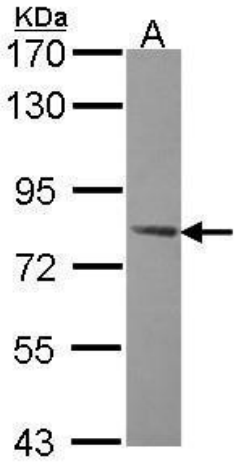
Protein Families: Druggable Genome

Protein Pathways: Adipocytokine signaling pathway, Hypertrophic cardiomyopathy (HCM), Insulin signaling pathway

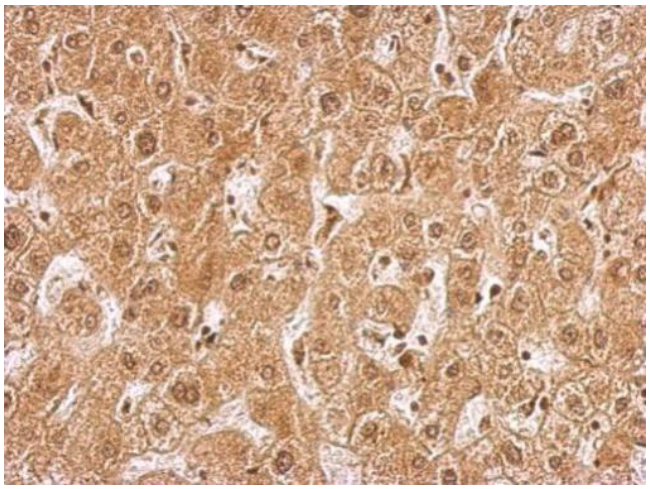
Product images:



Sample (50 ug of whole cell lysate). A: Mouse brain. 10% SDS PAGE. TA308033 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: Hela. 7.5% SDS PAGE. AMPK gamma-2 antibody. TA308033 diluted at 1:1000.



AMPK gamma 2 antibody [C2C3], C-term detects PRKAG2 protein at nucleus and cytosol on hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma. AMPK gamma 2 antibody [C2C3], C-term (TA308033) dilution: 1:500.