

Goat anti-PRKAG3 Antibody

Item Number	dAP-1573
Target Molecule	Principle Name: PRKAG3; Official Symbol: PRKAG3 ; All Names and Symbols: PRKAG3 ; protein kinase, AMP-activated, gamma 3 non-catalytic subunit ; AMPK3; 5'-AMP-activated protein kinase, gamma-3 subunit; AMP-activated protein kinase, non-catalytic gamma-3 subunit; AMPK gamma-3 chain; Accession Number (s): NP_059127.2; Human Gene ID(s): 53632; Non-Human GenID(s):
Immunogen	KLGWDDELRKPGAQ, is from internal region
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Preliminary experiments in Human Heart, Skeletal Muscle and Pancreas lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results b
IHC	
Reference	Reference(s): Costford SR, Kavaslar N, Ahituv N, Chaudhry SN, Schackwitz WS, Dent R, Pennacchio LA, McPherson R, Harper ME. Gain-of-function R225W mutation in human AMPKgamma3 causing increased glycogen and decreased triglyceride in skeletal muscle. PLoS ONE. 2007 Sep 19;2(9):e903.. PMID:

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**