

## Goat anti-PRKAA2 Antibody

<b>Item Number</b>	dAP-2175
<b>Target Molecule</b>	Principle Name: PRKAA2; Official Symbol: PRKAA2; All Names and Symbols: PRKAA2; protein kinase, AMP-activated, alpha 2 catalytic subunit; AMPK; AMPK2; PRKAA; 5'-AMP-activated protein kinase, catalytic alpha-2 chain; AMP-activated protein kinase alpha 2 catalytic subunit; AMPK-alpha-2 chain; Accession Number (s): NP_006243.2; Human Gene ID(s): 5563; Non-Human GeneID(s): 108079 (mouse) 78975 (rat)
<b>Immunogen</b>	CPLDALNTTKP, is from internal region
<b>Applications</b>	Pep ELISA, WB, EIA Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 65kDa band observed in Human Heart and Liver lysates and in Mouse and Rat Heart lysates (calculated MW of 62.3kDa according to NP_006243.2). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Dong Y, Zhang M, Liang B, Xie Z, Zhao Z, Asfa S, Choi HC, Zou MH, Reduction of AMP-activated protein kinase alpha2 increases endoplasmic reticulum stress and atherosclerosis in vivo. Circulation 2010 Feb 121 (6): 792-803..PMID: 20124121->

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 ender users! This product is sold for **Research Use Only**