

Product Data Sheet

Anti-AMPK alpha 1 Antibody

Catalog #	Source	Reactivity	Applications
CPA9110	Mouse	H, M, R	WB, IH
Description	Mouse monoclonal to AMPK alpha 1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human AMPK alpha 1. The exact sequence is proprietary.		
Purification			
Specificity	Recognizes endogenous levels of AMPK alpha 1 protein.		
Clonality	Monoclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/1000 - 1/2000), IH (1/100 - 1/200)		
Gene Symbol	PRKAA1		
Alternative Names	AMPK1; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; Tau-protein kinase PRKAA1		
Entrez Gene	5562 (Human)		
SwissProt	Q13131 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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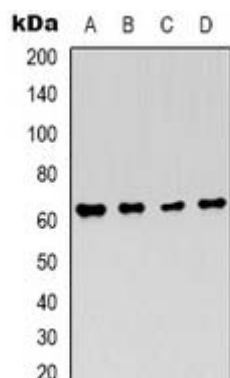
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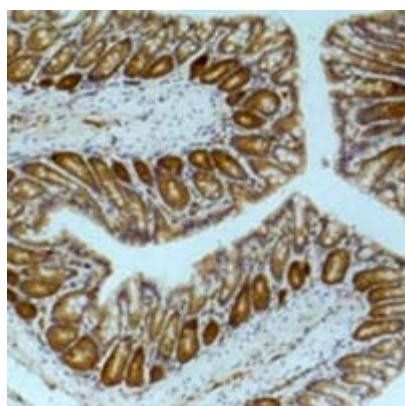
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Western blot analysis of AMPK alpha 1 expression in Hela (A), 293T (B), NIH3T3 (C), PC12 (D) whole cell lysates.



Immunohistochemical analysis of AMPK alpha 1 staining in mouse colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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