

# Product Data Sheet

## AMPK alpha 1/2 (pT183/172) Blocking Peptide

Catalog #	Source	Reactivity	Applications
CBP3488	Synthetic	H, M, R, C, P	BL
<b>Description</b>	The peptide is used to block Anti-AMPK alpha 1/2 (pT183/172) Antibody (#CPA3488) reactivity.		
<b>Form</b>	Lyophilized powder		
<b>Gene Symbol</b>	PRKAA1; PRKAA2		
<b>Alternative Names</b>	PRKAA1; 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; PRKAA2; AMPK; AMPK2; 5'-AMP-a		
<b>Entrez Gene</b>	5562; 5563 (Human); 105787; 108079 (Mouse); 65248; 78975 (Rat)		
<b>SwissProt</b>	Q13131; P54646 (Human); Q5EG47; Q8BRK8 (Mouse); P54645; Q09137 (Rat)		
<b>Purity</b>	>85%		
<b>Quality Control</b>	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.		
<b>Directions for Use</b>	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		

**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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