

## AMPK alpha (Phospho-Thr172) Conjugated Antibody

Catalog No: #C14179



Package Size: #C14179-AF350 100ul #C14179-AF405 100ul #C14179-AF488 100ul  
 #C14179-AF555 100ul #C14179-AF594 100ul #C14179-AF647 100ul  
 #C14179-AF680 100ul #C14179-AF750 100ul #C14179-Biotin 100ul

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## Description

Product Name	AMPK alpha (Phospho-Thr172) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human Mouse Rat
Specificity	Phospho-AMPK alpha (T172) Antibody detects endogenous levels of Phospho-AMPK alpha (T172)
Immunogen Description	A synthesized peptide derived from human AMPK alpha
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ACACA kinase; Acetyl-CoA carboxylase kinase; AMPK alpha 2 chain; AMPK subunit alpha-2; AMPK2; AMPKalpha2; HMGCR kinase; PRKAA; PRKAA2;
Accession No.	Uniprot:Q13131/P54646
Uniprot	Q13131/P54646
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	62kDa
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

## Product Description

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AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic  $\alpha$  subunit and regulatory  $\beta$  and  $\gamma$  subunits, each of which is encoded by two or three distinct genes ( $\alpha$ 1, 2;  $\beta$ 1, 2;  $\gamma$ 1, 2, 3).

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Note: This product is for in vitro research use only