AMPK alpha 1 (Phospho-Ser496) Conjugated Antibody

Catalog No: #C14215

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C14215-AF350 100ul #C14215-AF405 100ul #C14215-AF488 100ul #C14215-AF555 100ul #C14215-AF594 100ul #C14215-AF647 100ul #C14215-AF680 100ul #C14215-AF750 100ul #C14215-Biotin 100ul

Description

Product Name	AMPK alpha 1 (Phospho-Ser496) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human
Specificity	Phospho-AMPK alpha 1 (S496) Antibody detects endogenous levels of Phospho-AMPK alpha 1 (S496)
Immunogen Description	A synthesized peptide derived from human AMPK alpha 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5'-AMP-activated protein kinase catalytic subunit alpha-1; AAPK1; AMP-activate kinase alpha 1 subunit; AMP-activated protein kinase; AMPK; AMPK alpha 1; AMPK subunit alpha-1; PRKAA 1; ACACA kinase;
Accession No.	Uniprot:Q13131
Uniprot	Q13131
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	64kDa
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

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

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. Accumulating evidence indicates that AMPK not only regulates the metabolism of fatty acids and glycogen, but also modulates protein synthesis and cell growth through EF2 and TSC2/mTOR pathways, as well as blood flow via eNOS/nNOS.

Note: This product is for in vitro research use only