

AMPK alpha 1 (Phospho-Ser496) Rabbit mAb

Catalog No: #14215

Package Size: #14215-1 50ul #14215-2 100ul

Orders: order@signalwayantibody.com

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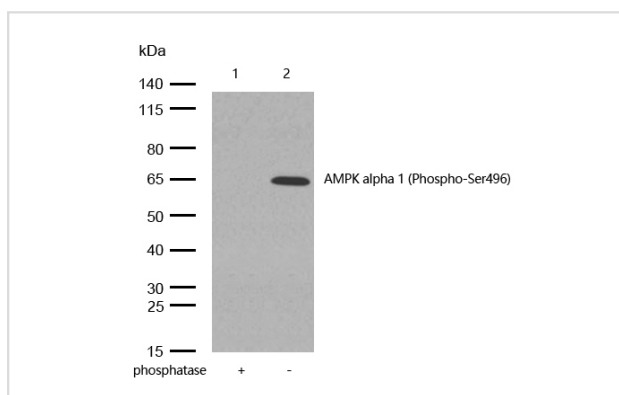
Description

Product Name	AMPK alpha 1 (Phospho-Ser496) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB ICC/IF
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	Unconjugated
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
Calculated MW	64 kDa
SDS-PAGE MW	64 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB:1:1000~1:2000|ICC/IF:1:50~1:200|IP:1:50

Images



All lanes: AMPK alpha 1 (Phospho-Ser496) Rabbit mAb at 1/1k dilution

Lane 1 : 293T treated with alkaline phosphatase whole cell lysates

Lane 2 : 293T whole cell lysates

Lysates/proteins at 20 µg per lane.

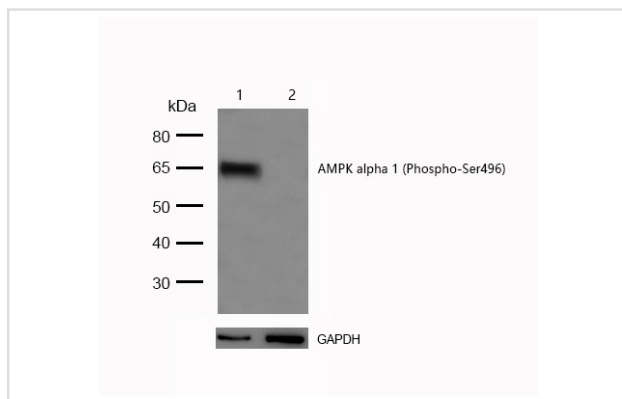
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 64 kDa

Observed band size: 64 kDa

Exposure time: 4 seconds

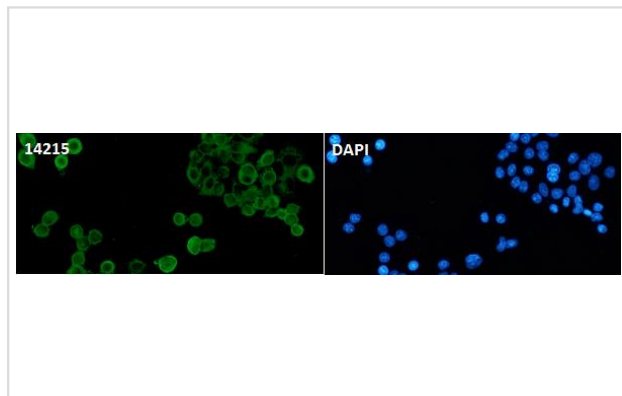


All lanes: AMPK alpha 1 (Phospho-Ser496) Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : AMPK alpha 1 (Phospho-Ser496) knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Immunocytochemistry/ Immunofluorescence AMPK alpha 1 (Phospho-Ser496) antibody (14215) ICC/IF staining of AMPK alpha 1 (Phospho-Ser496) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 14215 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

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 and is not intended for use in humans or animals.