

Product Datasheet

Phospho-AMPK alpha 1 (S496) Antibody

Catalog No: CY5882

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB ICC/IF IP



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Information

UniProt ID: Q13131

All Names: 5'-AMP-activated protein kinase catalytic subunit alpha-1; 5'-AMP-activated protein kinase, catalytic alpha-1 chain; AAPK1; AMP -activate kinase alpha 1 subunit; AMP-activated protein kinase; AMPK; AMPK alpha 1; AMPK subunit alpha-1; PRKAA 1; ACACA kinase;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 64 kDa

Application

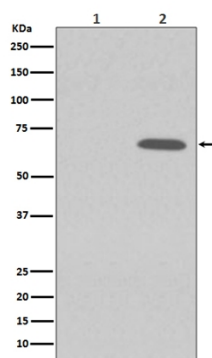
WB 1:1000~1:2000

ICC/IF 1:50~1:200

IP 1:50

Background

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.



Western blot analysis of Phospho-AMPK alpha 1 (S496) expression in (1) 293T cell treated with LP; (2) 293T cell lysate.

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