

# Anti-AMPK beta 1 Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M010643

## Product Information

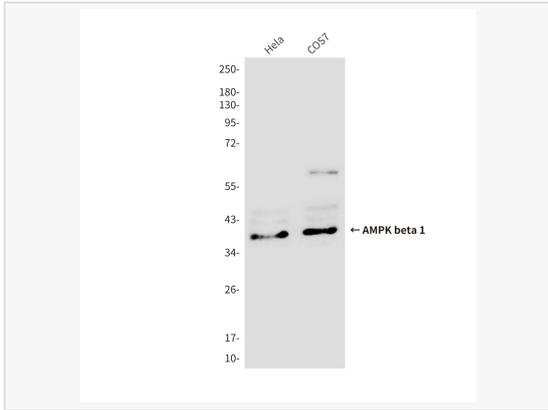
Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	87K42K39
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant Protein of AMPK $\beta$ 1.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-AMPK beta 1 antibody [87K42K39] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	5' ' -AMP-activated protein kinase subunit beta-1, AMP-activated, noncatalytic, beta-1, AMPK, AMPK beta 1 chain, AMPK subunit beta-1, AMPK-BETA-1, AMPKb, HAMPKb, PRKAB1.
Calculated MW	Calculated MW: 30 kDa; Observed MW: 38 kDa
Uniprot ID	Q9Y478
Gene ID	5564
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. 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).

## Validation Images

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Western blot analysis of AMPK $\beta$ 1 in HeLa, COS7 lysates using AMPK beta 1 antibody.