

Product Datasheet

AMPK β 1 Mouse mAb

Catalog No: AB3256

Reactivity: Human, Mouse, Rat, Monkey

Isotype: Mouse IgG2a

Applications: WB, IHC, ICC/IF, IP



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Information

UniProt ID: Q9Y478

All Names: AMP-activated, noncatalytic, beta-1; AMPK; AMPK beta 1 chain; AMPK subunit beta-1; AMPK-BETA-1; AMPKb; HAMPKb; PRKAB1;

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.: 38KDa

Application

WB 1:1000

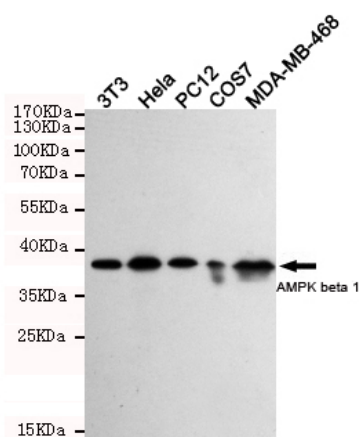
IHC 1:200

ICC/IF 1:100

IP

Background

Non-catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation.



Western blot detection of AMPK beta 1 in 3T3, Hela, PC-12, COS7 and MDA-MB-468 cell lysates using AMPK beta 1 mouse mAb (1:1000 diluted). Predicted band size: 38KDa. Observed band size: 38KDa. Exposure time: 5min.

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