

Product Name: AMPK beta 1 (1A7) Mouse Monoclonal Antibody**Catalog #: AMM03496**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC/IF,IP
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 30 kDa; Observed MW: 38 kDa

Antigen Information

Gene Name	PRKAB1
Alternative Names	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
Gene ID	5564
SwissProt ID	Q9Y478
Immunogen	A synthetic peptide of human AMPK beta 1

Background

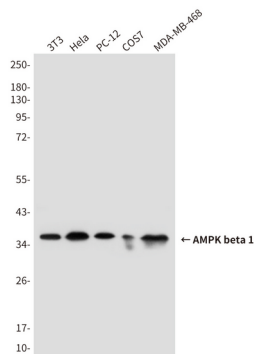
AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the

regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α 1, 2; β 1, 2; γ 1, 2, 3).

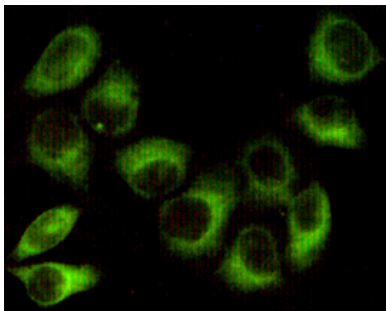
Research Area

Signal Transduction

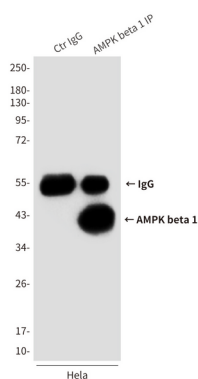
Image Data



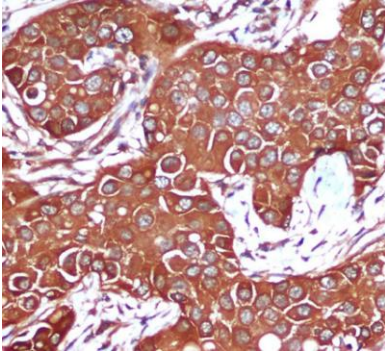
Western blot analysis of AMPK beta 1 in 3T3, HeLa, PC-12, COS7 and MDA-MB-468 lysates using AMPK beta 1 antibody.



Immunocytochemistry analysis of AMPK beta 1 (1A7) in HeLa using AMPK beta 1 antibody.



Immunoprecipitation analysis of AMPK beta 1 (1A7) in HeLa lysates using AMPK beta 1 antibody.



Immunohistochemistry analysis of paraffin-embedded Breast cancer using AMPK beta 1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.