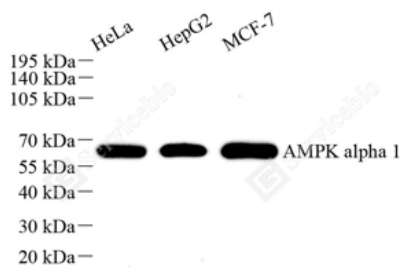
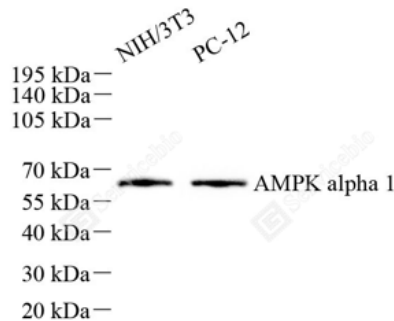


<b>Product name:</b>	Anti-AMPK alpha 1 antibody (Rabbit mAb)
<b>Cat number:</b>	ABS150024
<b>Conjugate:</b>	unconjugated
<b>Size:</b>	100 µL
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG, $\kappa$
<b>Immunogen:</b>	Recombinant protein corresponding to Human AMPK alpha 1
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	Western Blot:1: 1000-1:2000 Immunohistochemistry (paraffin emebbed tissues) 1:500 - Immunofluorescence 1:300
<b>Molecular Weight:</b>	64 kDa
<b>Purification:</b>	Affinity purification
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.
<b>Storage:</b>	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

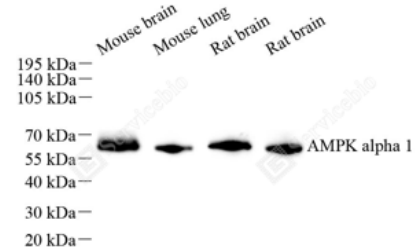
**Background:** The mammalian 5-prime-AMP-activated protein kinase (AMPK) appears to play a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. PRKAA1 is also named as AMPK1, ACACA kinase, HMGCRC kinase. It is a mammalian homologue of sucrose non-fermenting protein kinase (SNF-1), which belongs to a serine/threonine protein kinase family. It has 2 isoforms with molecular mass of 63-66 kDa produced by alternative splicing.



WB analysis of AMPK alpha 1. Sample: Protein treated by RIPA Lysis Buffer . Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG , 1: 3000, RT, 1h.



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