

Datasheet for ABIN1531172
anti-AMPK alpha antibody (pThr183)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	AMPK alpha (SNF1A)
Binding Specificity:	AA 140-189, pThr183
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMPK alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human AMPK alpha around the phosphorylation site of Thr172.
Isotype:	IgG
Specificity:	AMPK alpha (Phospho-Thr172) Antibody detects endogenous levels of AMPK alpha only when phosphorylated at Thr172. PhosphorylationH:T183/172 M:T183/172 R:T183/172
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

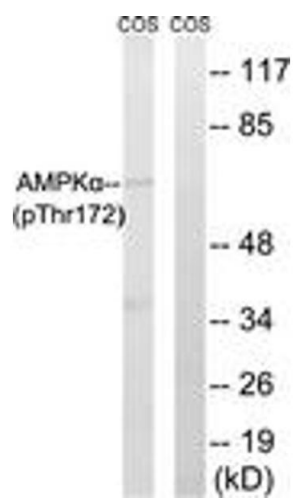
Target:	AMPK alpha (SNF1A)
Alternative Name:	AMPK alpha (SNF1A Products)
Background:	Synonyms: 5'-AMP-activated protein kinase, catalytic alpha-1 chain, AAPK1, AMPK alpha-1 chain, AMPK-alpha1, HMG-CoA redustase kinase, PRKAA1, acetyl-CoA carboxylase kinase, hormone-sensitive lipase kinase, kinase AMPK-alpha1, 5'-AMP-activated protein kinase catalyt NCBI Gene Symbol: AAPK1
Molecular Weight:	62 kDa
Gene ID:	5562, 5563
OMIM:	602739
UniProt:	Q13131 , P54646
Pathways:	Warburg Effect

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:40000
Comment:	Unigene-Number: Hs.43322, Hs.437039 (NCBI Gene Symbol: AAPK1)
Restrictions:	For Research Use only

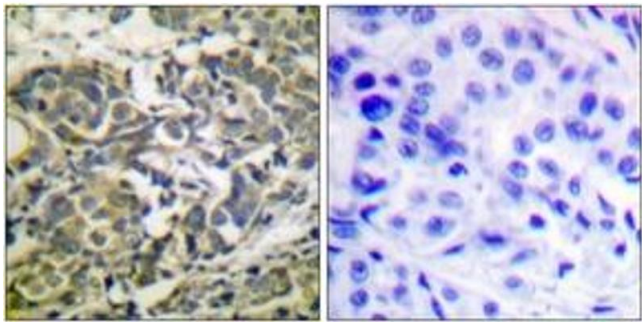
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from COS7 cells, using AMPK alpha (Phospho-Thr172) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using AMPK alpha (Phospho-Thr172) Antibody. The picture on the right is treated with the synthesized peptide.