

## Phospho-AMPKA1(T183)/AMPKA2(T172) antibody

### Product Information

Catalog No.:	FNab10153
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

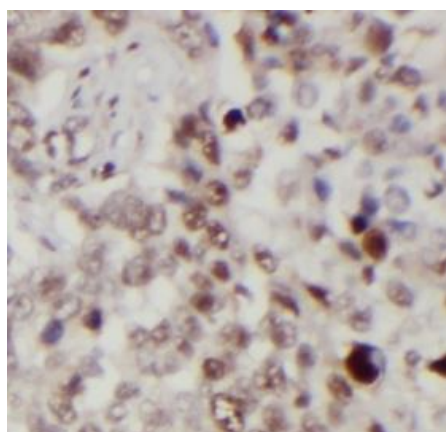
The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

### Immunogen information

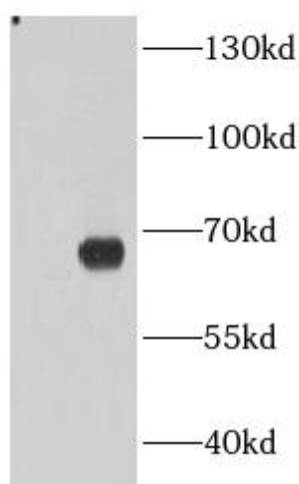
Immunogen:	Phospho-AMPKα-T172
Synonyms:	AMPK, AMPKα1
Observed MW:	64kDa
Uniprot ID :	Q13131/P54646

### Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC
Recommended dilution:	WB: 1:500 - 1:2000; IHC: 1:50 - 1:200
Image:	



Immunohistochemistry of paraffin-embedded human lung cancer tissue using FNab10153(Phospho-AMPKA1(T183)/AMPKA2(T172) Antibody) at dilution of 1:100



— + Hydrogen peroxide

C2C12 cells were subjected to SDS PAGE followed by western blot with FNab10153(Phospho-AMPKA1(T183)/AMPKA2(T172) antibody) at dilution of 1:1000