

Anti- AMPK α (Ab-172) Polyclonal Antibody



Catalog No.	Size
A200346-01	50 μ l
A200346-02	100 μ l

Specificity	Anti-AMPK α (Ab-172) (human mouse rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q13131

Other Names: 5'-AMP-activated protein kinase; catalytic alpha-1 chain; AAPK1; AMPK alpha-1 chain; AMPK-alpha1; EC 2.7.11.1; HMG-CoA reductase kinase; PRKAA1; acetyl-CoA carboxylase kinase; hormone-sensitive lipase kinase; kinase AMPK-alpha1; 5'-AMP-activated protein kinase catalytic subunit alpha-2; AMPK subunit alpha-2; PRKAA2; AMPK, AMPK2

Specificity and Sensitivity

AMPK α (Ab-172) antibody detects endogenous levels of total AMPK α protein.

Source and Purification

The antiserum was produced against synthesized non-phosphopeptide derived from human AMPK α around the phosphorylation site of threonine172 (L-R-TP-S-C).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100 ELISA: 1:40000

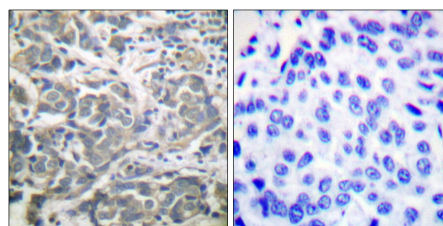
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images

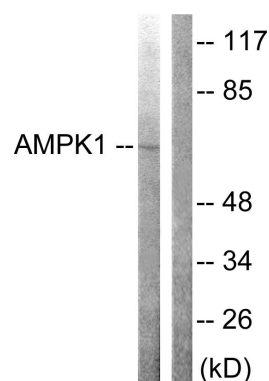


P-peptide

-

+

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AMPK α (Ab-172) antibody.



Adriamycin	+	+
Peptide	-	+

Western blot analysis of extracts from COS7 cells treated with Adriamycin (0.5 ng/ml, 24hours) using AMPK α (Ab-172) antibody.