

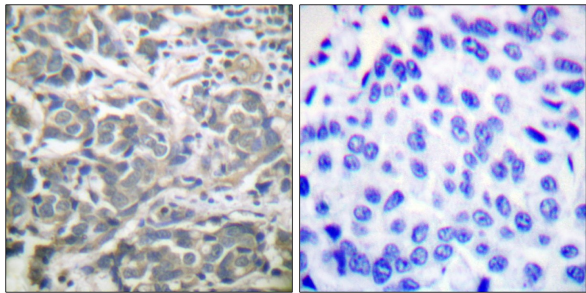


## AMPK $\alpha$ (Ab-172) Antibody

E11-0003B

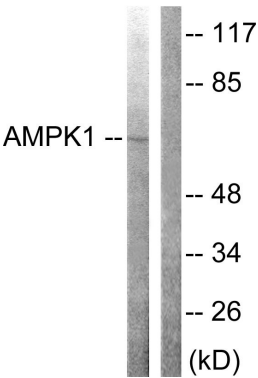
- Catalog Number:** E11-0003B
- Amount:** 100 $\mu$ g/100 $\mu$ l
- Swiss-Prot No. :** Q13131
- All Names:** 5'-AMP-activated protein kinase; catalytic alpha-1 chain; AAPK1; AMPK alpha-1 chain; AMPK-alpha1; EC 2.7.11.1; HMG-CoA reductase kinase; PRKAA1; acetyl-CoA carboxylase kinase; hormone-sensitive lipase kinase; kinase AMPK-alpha1; 5'-AMP-activated protein kinase catalytic subunit alpha-2; AMPK subunit alpha-2; PRKAA2; AMPK, AMPK2
- Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
- Storage/Stability:** Store at -20°C/1 year
- Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human AMPK $\alpha$  around the phosphorylation site of threonine172 (L-R-T<sup>P</sup>-S-C).
- Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
- Specificity/Sensitivity** AMPK $\alpha$ (Ab-172) antibody detects endogenous levels of total AMPK $\alpha$  protein.
- Reactivity:** Human, Mouse, Rat
- Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100  
ELISA: 1:40000
- References:** Siwang Yu AACR, Meeting Abstracts, Apr 2006; 2006: 538.  
Laura BarréAm, J Physiol Endocrinol Metab, Mar 2007; 292: E802 - E811.  
Hideyuki Sakoda, Am J Physiol Endocrinol Metab, Sep 2005; 289: E474 - E481.  
Lucie Tosca Endocrinology, Oct 2005; 146: 4500 - 4513.

**For Research Use Only**



Peptide            -            +

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



Adriamycin    +    +  
Peptide       -    +

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