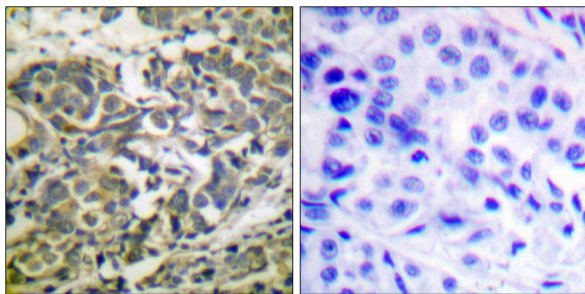




Web: [www.anbobio.com](http://www.anbobio.com)  
[www.dijibio.com](http://www.dijibio.com)  
Order: [order@dijibio.com](mailto:order@dijibio.com)  
Tel: (86) 519 8805 0026

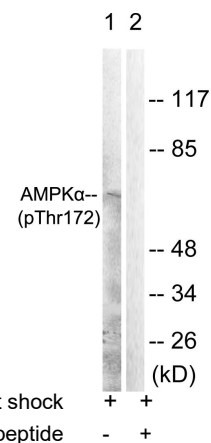
## AMPK $\alpha$ (Phospho-Thr172) Antibody [#A0003]

- Catalog Number:** A0003  
**Amount:** 50 $\mu$ g/50 $\mu$ l, 100 $\mu$ g/100 $\mu$ l, 200 $\mu$ g/200 $\mu$ 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  
**All Sites:** Human: Thr172; Mouse: Thr172; Rat: Thr172  
**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 $^{\circ}$ C/1 year  
**Immunogen:** The antiserum was produced against synthesized 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 phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.  
**Specificity/Sensitivity:** AMPK $\alpha$  (Phospho-Thr172) antibody detects endogenous levels of AMPK $\alpha$  only when phosphorylated at threonine172 in both chain 1 and 2.  
**Reactivity:** Human, Mouse, Rat  
**Applications:** WB: 1:500~1:3000 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.



P-peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AMPK $\alpha$  (Phospho-Thr172) antibody.



Western blot analysis of extracts from 293 cells treated with heat shock, using AMPK $\alpha$  (Phospho-Thr172) antibody.