



## AMPK $\beta$ 1 (Ab-181) Antibody

E11-0410B

**Catalog Number:** E11-0410B

**Concentration:** 1mg/ml

**Swiss-Prot No.:** Q9Y478

**Other Names:** 5'-AMP-activated protein kinase beta-1 subunit, AAKB1, AMPK beta-1 chain, AMPK-beta1, PRKAB1, kinase AMPK-beta1

**Storage/Stability:** Store at -20°C/1 year

**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.

**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human AMPK  $\beta$ 1 around the phosphorylation site of serine 182

(S-S-S<sup>P</sup>-P-P).

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

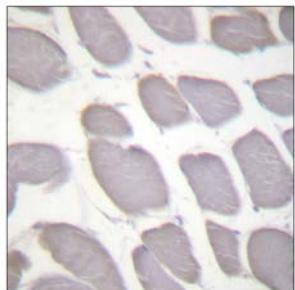
**Specificity:** AMPK  $\beta$ 1 (Ab-181) antibody detects endogenous levels of total AMPK  $\beta$ 1 protein.

**Reactivity:** Human, Mouse, Rat

**Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100  
ELISA: 1:5000

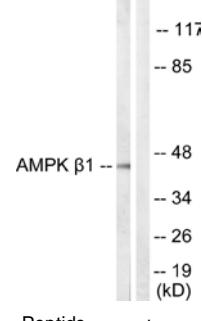
### References:

Jun Li, Carcinogenesis, May 2003; 24: 827 - 834.  
Carola U. Niesler, Exp Physiol, Jan 2007; 92: 207 - 217.  
Angela Woods, J. Biol. Chem., Aug 2003; 278: 28434 - 28442.



Peptide - +

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using AMPK  $\beta$ 1 (Ab-181) Antibody.



Western blot analysis of extracts from COS7 cells, using AMPK  $\beta$ 1 (Ab-181) Antibody.

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