



AMPK β 1 (Phospho-Ser181) Antibody

E11-0410A

Catalog Number: E11-0410A

Amount: 100 μ g/100 μ l

Swiss-Prot No.: Q9Y478

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

All Sites: Human: Ser181; Mouse: Ser181; Rat: Ser181

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), 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 phosphopeptide derived from human AMPK β 1 around the phosphorylation site of serine 181 (S-S-S^P-P-P).

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 β 1 (Phospho-Ser181) antibody detects endogenous levels of AMPK β 1 only when phosphorylated at serine 181.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100

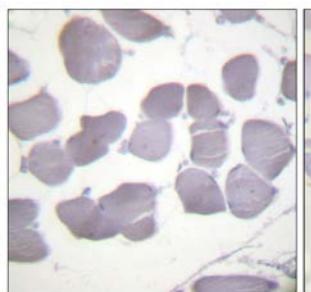
ELISA: 1:5000

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.

Zhaohui Feng, Cancer Res., Apr 2007; 67: 3043 - 3053.

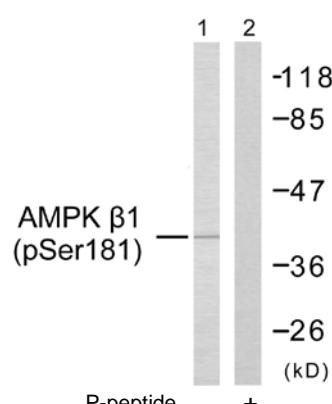


P-peptide

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Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using AMPK β 1 (Phospho-Ser181) Antibody (#A0410).



Western blot analysis of extracts from Jurkat cells, using AMPK β 1 (Phospho-Ser181) Antibody (#A0410).

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