



AMPK β 1 (Phospho-Ser181) Antibody

E11-0766A

Catalog Number: E11-0766A

Concentration: 1mg/ml

Swiss-Prot No.: Q9Y478

Other Names: 5'-AMP-activated protein kinase subunit beta-1; AMPK subunit beta-1; AMPK β ; PRKAB1; AMPK

All Sites: Human: Ser182; Mouse: Ser182; Rat: Ser182

Storage/Stability: Store at -20 $^{\circ}$ C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg $^{2+}$ and Ca $^{2+}$), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

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.

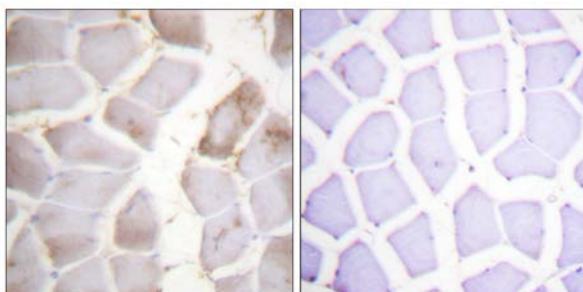
Specificity: AMPK β 1 (Phospho-Ser181) antibody detects endogenous levels of AMPK β 1 only when phosphorylated at serine 181.

Reactivity: Human, Mouse, Rat

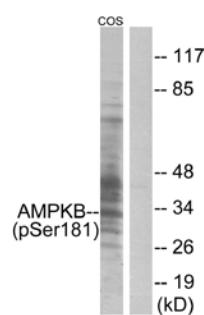
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:20000

References:

Carling D., Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Stapleton D., FEBS Lett. 409:452-456(1997).
Yamagata K., Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.



P-peptide - +
Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using AMPK β 1 (Phospho-Ser181) antibody.



P-peptide - +
PMA + +
Western blot analysis of extracts from COS7 cells treated with PMA (125ng/ml, 30mins), using AMPK β 1 (Phospho-Ser181) antibody.