



# AMPK1/AMPK2 (Phospho-Ser485/Ser491) Antibody

E011174

**Catalog Number:** E011174-1, E011174-2

**Amount:** 50 $\mu$ g/50 $\mu$ l, 100 $\mu$ g/100 $\mu$ l

**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 phosphopeptide derived from human AMPK1/AMPK2 around the phosphorylation site of serine 485/491 (S-G- S<sup>P</sup>-V-S).

**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:** AMPK1/AMPK2 (phospho-Ser485/Ser491) antibody detects endogenous levels of AMPK1/AMPK2 only when phosphorylated at serine 485 or serine 491.

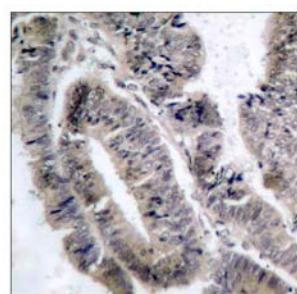
**Reactivity:** Human, Mouse, Rat

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

**Swiss-Prot No.:** Q13131 P54646

**References:** Kim JE, et al. (2005) J Proteome Res. 4(4): 1339-1346.

Woods A, et al. (2003) J Biol Chem. 278(31): 28434-28442.

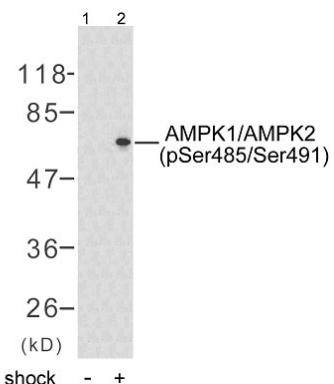


P-Peptide

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Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue, using AMPK1/AMPK2 (phospho-Ser485/Ser491) antibody (E011174).



Western blot analysis of extract from HeLa cells untreated or treated with heat shock (30min), using AMPK1/AMPK2 (phospho-Ser485/Ser491) antibody (E011174).