

# Akt1 S1 (Phospho-Thr246) Antibody



E11-0453A

**Catalog Number:** E11-0453A

**Concentration:** 1mg/ml

**Swiss-Prot No.:** Q96B36

**Other Names:** Akt1 substrate 1 (proline-rich), Lobe, MGC2865, PRAS40, proline-rich Akt substrate 40 kDa

**All Sites:** Human: Thr246; Mouse: Thr247; Rat: Thr262

**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 phosphopeptide derived from human AKT1S1 around the phosphorylation site of threonine 246 (L-N-T<sup>P</sup>-S-D).

**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:** Akt1 S1 (Phospho-Thr246) antibody detects endogenous levels of AKT1S1 only when phosphorylated at threonine 246.

**Reactivity:** Human, Mouse, Rat

**Applications:** WB: 1:500~1:1000    ELISA: 1:10000

**References:**

Mayumi Yoshioka, J. Mol. Endocrinol., Aug 2007; 39: 119 - 133.

Bruno D. Fonseca, J. Biol. Chem., Aug 2007; 282: 24514 - 24524.

Kerstin Stemmer, Cancer Res., May 2007; 67: 4052 - 4068.

Linglin Xie, J. Biol. Chem., Jul 2007; 10.1074/jbc.M604857200.

