GRK2 (Phospho-Ser685) Antibody

E11-8278A

Catalog Number: E11-8278A

Concentration: 1mg/ml

Swiss-Prot No.: P25098

Other Names: ADRBK1; ARBK1; BARK; BARK1; beta-adrenergic receptor kinase 1; beta-ARK-1; EC 2.7.11.15; G protein receptor kinase 2; G- protein coupled receptor kinase 2; kinase GRK2

All Sites: Human: Ser685; Mouse: Ser685; Rat: Ser685

Storage/Stability: Store at -20℃/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 GRK2 around the phosphorylation site of serine 685 (R-G-S^{P}-A-N).

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.

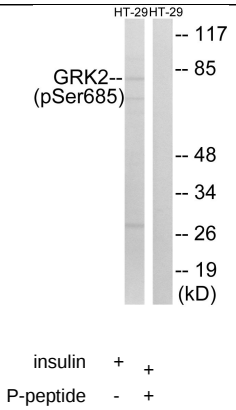
Specificity: GRK2 (Phospho-Ser685) antibody detects endogenous levels of GRK2 only when phosphorylated at serine 685.

Reactivity: Human (Identities = 100%, Positives = 100%); Mouse (Identities = 91%, Positives = 100%);
Rat (Identities = 91%, Positives = 100%)

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

References:

Benovic J.L., FEBS Lett. 283:122-126(1991).
Chuang T.T., J. Biol. Chem. 267:6886-6892(1992).
Penn R.B., J. Biol. Chem. 269:14924-14930(1994).



Western blot analysis of extracts from HT-29 cells, treated with insulin (0.01U/ml, 15mins), using GRK2 (Phospho-Ser685) antibody.

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