

GRK 2 (phospho Ser685) rabbit pAb**Cat#: orb767807 (Manual)**

For research use only. Not intended for diagnostic use.

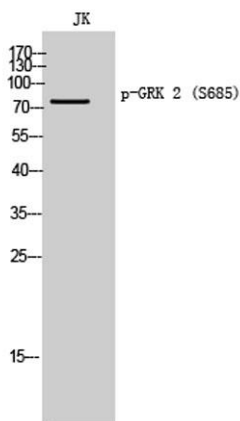
Product Name	GRK 2 (phospho Ser685) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GRK2 around the phosphorylation site of Ser685. AA range:640-689
Specificity	Phospho-GRK 2 (S685) Polyclonal Antibody detects endogenous levels of GRK 2 protein only when phosphorylated at S685.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Beta-adrenergic receptor kinase 1
Gene Name	ADRBK1
Cellular localization	Cytoplasm . Cell membrane . Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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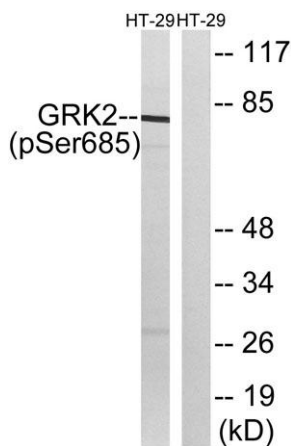
Concentration	1 mg/ml
Observed band	80kD
Human Gene ID	156
Human Swiss-Prot Number	P25098
Alternative Names	ADRBK1; BARK; BARK1; GRK2; Beta-adrenergic receptor kinase 1; Beta-ARK-1; G-protein coupled receptor kinase 2

Background

The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart. [provided by RefSeq, Jul 2008],



Western Blot analysis of JK cells using Phospho-GRK 2 (S685) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HT29 cells treated with insulin 0.01U/ml 15', using GRK2 (Phospho-Ser685) Antibody. The lane on the right is blocked with the phospho peptide.



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