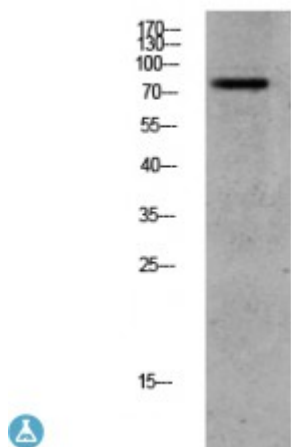


## Anti-Phospho-GRK2 (Ser685) antibody



<b>Description</b>	Rabbit polyclonal to Phospho-GRK2 (Ser685).
<b>Model</b>	STJ99602
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthesized phospho derived from human GRK2 (Phospho-Ser685).
<b>Immunogen Region</b>	Phospho-Ser685
<b>Gene ID</b>	<a href="#">156</a>
<b>Gene Symbol</b>	<a href="#">GRK2</a>
<b>Dilution range</b>	WB 1:500-2000ELISA 1:10000-20000
<b>Specificity</b>	This antibody detects endogenous levels of GRK2 (Phospho-Ser685).
<b>Tissue Specificity</b>	Expressed in peripheral blood leukocytes.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Beta-adrenergic receptor kinase 1 Beta-ARK-1 G-protein coupled receptor kinase 2
<b>Molecular Weight</b>	80 kDa
<b>Clonality</b>	Polyclonal

<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:289OMIM:109635</a>
<b>Alternative Names</b>	Beta-adrenergic receptor kinase 1 Beta-ARK-1 G-protein coupled receptor kinase 2
<b>Function</b>	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner.
<b>Sequence and Domain Family</b>	The PH domain binds anionic phospholipids and helps recruiting ADRBK1 from the cytoplasm to plasma membrane close to activated receptors. It mediates binding to G protein beta and gamma subunits, competing with G-alpha subunits and other G-betagamma effectors.
<b>Cellular Localization</b>	Cytoplasm Cell membrane

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**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580  
**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>  
**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)