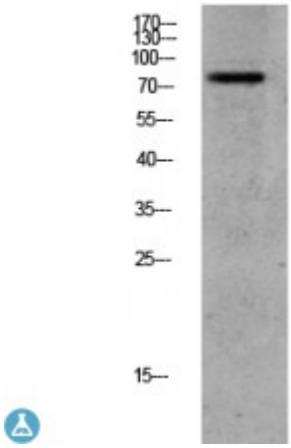
Anti-Phospho-GRK2 (Ser685) antibody



Description	Rabbit polyclonal to Phospho-GRK2 (Ser685).

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

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:289OMIM:109635
Alternative Names	Beta-adrenergic receptor kinase 1 Beta-ARK-1 G-protein coupled receptor kinase 2
Function	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.
Sequence and Domain Family	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.
Cellular Localization	Cytoplasm Cell membrane