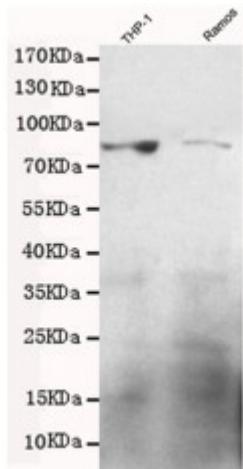


Anti-GRK2 antibody



Description	Mouse monoclonal to GRK2.
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Model	STJ99115
Host	Mouse
Reactivity	Human
Applications	ELISA, WB
Immunogen	Purified recombinant human GRK2 protein fragments expressed in E.coli.
Gene ID	156
Gene Symbol	GRK2
Dilution range	WB 1:500-2000 ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of GRK2 and does not cross-react with related proteins.
Tissue Specificity	Expressed in peripheral blood leukocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	3F8-G6-C11
Note	For Research Use Only (RUO).
Protein Name	Beta-adrenergic receptor kinase 1 Beta-ARK-1 G-protein coupled receptor kinase 2
Molecular Weight	80kDa
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG1
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:289 OMIM: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

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