

GRK2 Ab

Cat.#: BF0499
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 80kDa
Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000, ICC 1/200 - 1/1000
Reactivity:	Human,Mouse,Rat,Monkey
Purification:	Affinity-chromatography.
Specificity:	GRK2 Ab detects endogenous levels of total GRK2.
Immunogen:	Purified recombinant fragment of human GRK2 expressed in E. Coli.
Uniprot:	P25098
Description:	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)Tissue specificity: Expressed in peripheral blood leukocytes
Subcellular Location:	Plasma membrane;
Tissue Specificity:	Expressed in peripheral blood leukocytes.
Similarity:	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.Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

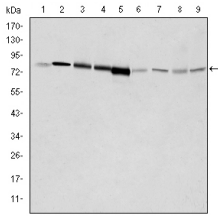


Figure 1: Western blot analysis using GRK2 mouse mAb against HeLa (1), Jurkat (2), MOLT4 (3), RAJI (4), THP-1 (5), L1210 (6), Cos7 (7), PC-12 (8), and NIH/3T3 (9) cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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