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GRK (pan) Antibody
GRK (pan) Antibody, Clone S145-20
Catalog # ASM10283

Specification

GRK (pan) Antibody - Product Information

Application	**WB, ICC**
Primary Accession	Q8VEB1
Other Accession	NP_061357.3
Host	**Mouse**
Isotype	**IgG1**
Reactivity	**Human, Mouse, Rat**
Clonality	**Monoclonal**

Description
Mouse Anti-Mouse GRK (pan) Monoclonal IgG1

Target/Specificity
Detects 70kDa. Cross-reacts with GRK6.

Other Names
G protein-coupled receptor kinase Antibody, Pan-GRK Antibody, GRK-pan Antibody, GRK Antibody

Immunogen
Fusion protein amino acids 381-590 (C-terminus) of mouse GRK5. 91% identical to human, and 99% identical to rat. >55% identity with GRK6 and GRK4. >40% identity with GRK7 and RK.

Purification
Protein G Purified

Storage	**-20ºC**

Storage Buffer
PBS pH 7.4, 50% glycerol, 0.1% sodium azide

Shipping Temperature	**Blue Ice or 4ºC**

Certificate of Analysis
1 µg/ml of SMC-449 was sufficient for detection of GRK (pan) in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Cellular Localization
Cytoplasm | Nucleus | Cell Membrane

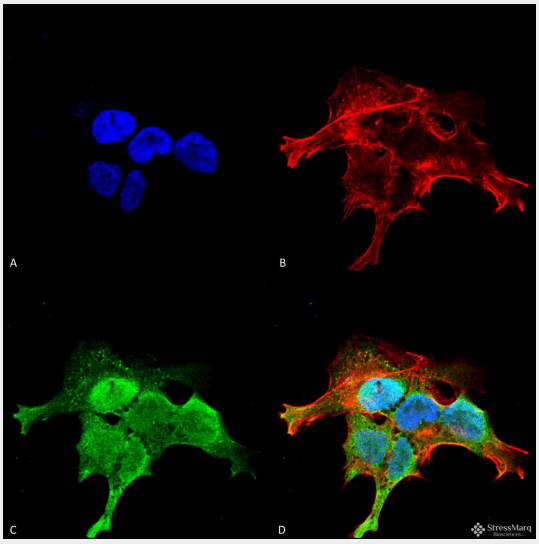
GRK (pan) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

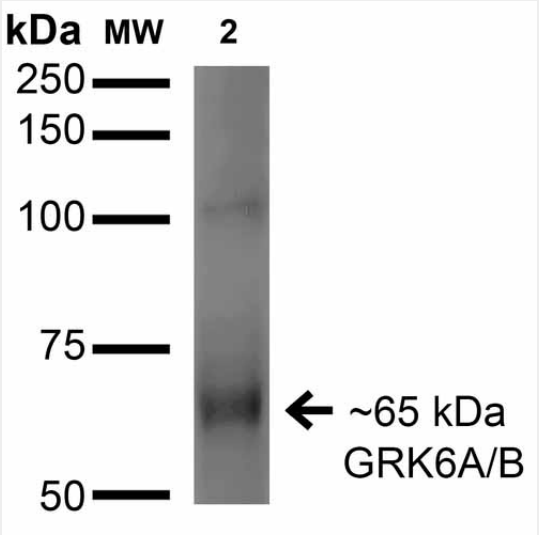
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRK (pan) Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRK (pan) Monoclonal Antibody, Clone S145-20 (ASM10283). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GRK (pan) Monoclonal Antibody (ASM10283) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cytoplasm, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) GRK (pan) Antibody (D) Composite.



Western Blot analysis of Monkey COS cells transfected with untagged GRK6 showing detection of ~65 kDa GRK (pan) protein using Mouse Anti-GRK (pan) Monoclonal Antibody, Clone S145-20 (ASM10283). Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transfected with untagged GRK6. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-GRK (pan) Monoclonal Antibody (ASM10283) at 1:200 for 16 hours at 4°C. Secondary

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Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~65 kDa.

GRK (pan) Antibody - Background

G protein-coupled receptor kinases (GRK) are serine/threonine kinases that phosphorylate a variety of G-protein-coupled receptors (GPCRs), specifically activated forms, including adrenergic receptors, muscarinic acetylcholine receptors, dopamine receptors and opioid receptors. GRK receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their down-regulation.