

A4443

Leader in Biomolecular Solutions for Life Science



[KO Validated] GRK2 Rabbit mAb

Catalog No.: A4443

KO Validated

Recombinant

Basic Information

Observed MW

80kDa

Calculated MW

80kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC1013

Background

This gene encodes a member of the G protein-coupled receptor kinase family of proteins. The encoded protein phosphorylates the beta-adrenergic receptor as well as a wide range of other substrates including non-GPCR cell surface receptors, and cytoskeletal, mitochondrial, and transcription factor proteins. Data from rodent models supports a role for this gene in embryonic development, heart function and metabolism. Elevated expression of this gene has been observed in human patients with heart failure and Alzheimer's disease.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

156

Swiss Prot

P25098

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 590-689 of human GRK2 (P25098).

Synonyms

BARK1; ADRBK1; BETA-ARK1; K2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

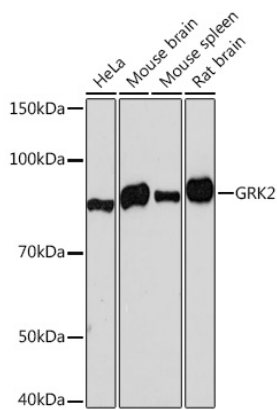
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

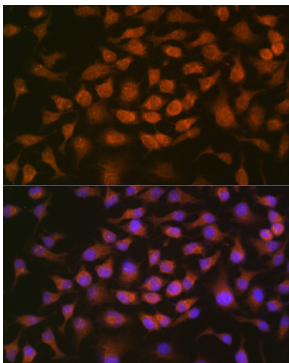
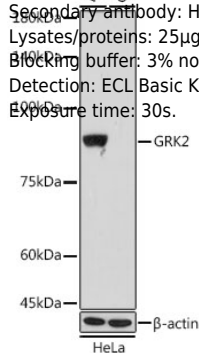
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using GRK2 Rabbit mAb (A4443) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 3min.

Western blot analysis of extracts from wild type (WT) and GRK2 knockout (KO) HeLa cells, using GRK2 antibody (A4443) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Immunofluorescence analysis of HeLa cells using GRK2 Rabbit mAb (A4443) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.