Leader in Biomolecular Solutions for Life Science

www.abclonal.com

GRK2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02361

Basic Information

Catalog No.
RM02361

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
GRK2

Species
Human

Gene ID
156

Swiss Prot
P25098

Synonyms
ADRBK1; BARK1; BETA-ARK1

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

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, Jul 2008]

Product Information

Description
GRK2 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:exon2 was deleted
Allele-2:exon2 was deleted
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

```
WT    CCCCTGACCCACAG**************GACTTAACTTCTTG
Mut   CCCCTGACCCACAG***Deletion***GACTTAACTTCTTG
Allele-1: exon2 was deleted

WT    CCCCTGACCCACAG**************GACTTAACTTCTTG
Mut   CCCCTGACCCACAG***Deletion***GACTTAACTTCTTG
Allele-2: exon2 was deleted
```

Genome sequence analysis of PCR products from parental (WT) and GRK2 knockout (KO) HeLa cells, using sanger sequencing.