Leader in Biomolecular Solutions for Life Science

www.abclonal.com

PARK2 Knockout A549 Cell Lysate, Homozygous

Catalog No.: RM01970

Basic Information

Catalog No.
RM01970

Category
Cell Lysate

Parental Cell line
A549

Genotype
Knockout

Background

The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
PARK2

Species
Human

Gene ID
5071

Swiss Prot
O60260

Synonyms
AR-JP; LPRS2; PARK2; PDJ

Product Information

Description
PARK2 Knockout A549 Cell Line is engineered from A549 cell line with Gene-Editing technology.
Allele-1:5bp deletion in exon2
Allele-2:89bp deletion in exon2
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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

WT ATGGTTTCCCAGTG**********CGATTCTGACACCA
Mut ATGGTTTCCCAGTG***Deletion***CGATTCTGACACCA
Allele-1: 5bp deletion in exon2

WT ATGGTTTCCCAGTG**********CGCAGGGAAGGAGC
Mut ATGGTTTCCCAGTG***Deletion***CGCAGGGAAGGAGC
Allele-2: 89bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and PARK2 Knockout (KO) A549 cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.