

KEAP1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02350

Basic Information

Catalog No.

RM02350

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

KEAP1

Species

Human

Gene ID

9817

Swiss Prot

Q14145

Synonyms

INrf2; KLHL19

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Background

This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]

Product Information

Description

KEAP1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:14bp deletion and 5bp deletion in exon1

Allele-2:169bp deletion in exon1

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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

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 CCTTTGGCATCATG*****CAGCCAGCACTGT***TGTTCACCAACGGGCTGCGGAGCAGGGCATGG
Mut. CCTTTGGCATCATG***Deletion***CAGCCAGCACTGT***TGTTCACCAACGGGCTGCGGAGCAGGGCATGG
Allele-1: 14bp deletion and 5bp deletion in exon1
WT CATACCAAGCAGGC*****ATGGAGGTGGTGTGTC
Mut. CATACCAAGCAGGC***Deletion***ATGGAGGTGGTGTGTC
Allele-2: 16bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and KEAP1 knockout (KO) 293T cells, using sanger sequencing.