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KEAP1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02350 **1 Publications**

Basic Information

Catalog No.
RM02350

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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]

Gene Information

Gene Symbol
KEAP1

Species
Human

Gene ID
9817

Swiss Prot
Q14145

Synonyms
INrf2; KLHL19

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℃

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.

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Sequencing data



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