

ENOX2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02310

Basic Information

Catalog No.

RM02310

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

ENOX2

Species

Human

Gene ID

10495

Swiss Prot

Q16206

Synonyms

APK1; COVA1; tNOX

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Background

This gene is a tumor-specific member of the ECTO-NOX family of genes that encode cell surface NADH oxidases. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The protein also displays prion-like properties. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product Information

Description

ENOX2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:143bp deletion in exon4

Allele-2:143bp deletion in exon4

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 TCCCACCTCCTGCA*****TCGCTTTGCTGAGG
Mut TCCCACCTCCTGCA***Deletion***TCGCTTTGCTGAGG
Allele-1: 143bp deletion in exon4
WT TCCCACCTCCTGCA*****TCGCTTTGCTGAGG
Mut TCCCACCTCCTGCA***Deletion***TCGCTTTGCTGAGG
Allele-2: 143bp deletion in exon4

Genome sequence analysis of PCR products from parental (WT) and ENOX2 Knockout (KO) 293T cells, using sanger sequencing.