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TJP1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02326

Basic Information

Catalog No.
RM02326

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
TJP1

Species
Human

Gene ID
7082

Swiss Prot
Q07157

Synonyms
ZO-1

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Background

This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product Information

Description
TJP1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:exon3 was deleted
Allele-2:exon3 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

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WT    CTAATAGGTAACCA**************CGTGGGCACTGTGC
Mut   CTAATAGGTAACCA***Deletion***CGTGGGCACTGTGC
Allele-1: exon3 was deleted

WT    CTAATAGGTAACCA**************CGTGGGCACTGTGC
Mut   CTAATAGGTAACCA***Deletion***CGTGGGCACTGTGC
Allele-2: exon3 was deleted
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Genome sequence analysis of PCR products from parental (WT) and TJP1 Knockout (KO) HeLa cells, using sanger sequencing.