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PDPN Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02467

Basic Information

Catalog No.
RM02467

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
PDPN

Species
Human

Gene ID
10630

Swiss Prot
Q86YL7

Synonyms
AGGRUS; GP36; GP40; Gp38; HT1A-1; OTS8; PA2.26; T1A; T1A-2; T1A2; TI1A

Product Information

Description
PDPN Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:73bp deletion in exon2
Allele-2:73bp 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

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Sequencing data

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WT     ACACTGAGACTACAG***************TAAGTCTGGCTTGA
Mut    ACACTGAGACTACAG***Deletion***TAAGTCTGGCTTGA
Allele-1：73bp deletion  in exon2

WT     ACACTGAGACTACAG***************TAAGTCTGGCTTGA
Mut    ACACTGAGACTACAG***Deletion***TAAGTCTGGCTTGA
Allele-2：73bp deletion  in exon2
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Genome sequence analysis of PCR products from parental (WT) and PDPN knockout (KO) 293T cells, using sanger sequencing.

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