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PLA2R1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02288

Basic Information

Catalog No.
RM02288

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
PLA2R1

Species
Human

Gene ID
22925

Swiss Prot
Q13018

Synonyms
CLEC13C; PLA2-R; PLA2G1R; PLA2IR; PLA2R

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Background

This gene represents a phospholipase A2 receptor. The encoded protein likely exists as both a transmembrane form and a soluble form. The transmembrane receptor may play a role in clearance of phospholipase A2, thereby inhibiting its action. Polymorphisms at this locus have been associated with susceptibility to idiopathic membranous nephropathy. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Sep 2010]

Product Information

Description
PLA2R1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:71bp 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.

Sequencing data

WT TAAATCGGTTCTGA**********ATAGGAGGCAGTGG
Mut TAAATCGGTTCTGA***Deletion***ATAGGAGGCAGTGG
Allele-1: 71bp deletion in exon2

WT TAAATCGGTTCTGA**********AGGAGGCAGTGGTT
Mut TAAATCGGTTCTGA***Deletion***AGGAGGCAGTGGTT
Allele-2: 73bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and PLA2R1 knockout (KO) HeLa cells, using sanger sequencing.