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IMPDH2 Knockdown NIH/3T3 Cell Lysate, Heterozygous

Catalog No.: RM02340

Basic Information

Catalog No.
RM02340

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockdown

Gene Information

Gene Symbol
IMPDH2

Species
Mouse

Gene ID
23918

Synonyms
IMPD

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Background

Product Information

Description
IMPDH2 Knockdown NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:WT
Allele-2:exon1 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

WT ATGGCGGACTACCT**********GGCCTCACCTACAA
Mut ATGGCGGACTACCT**********GGCCTCACCTACAA
Allele-1: WT

WT TATTGGCGCGGTCC**********TCGGGGCGAGGCGA
Mut TATTGGCGCGGTCC***Deletion***TCGGGGCGAGGCGA
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and IMPDH2 Knockdown (KD) NIH3T3 cells, using sanger sequencing.