

# 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

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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°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

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WT ATGGCGGACTACCT\*\*\*\*\*GCCTCACCTACAA  
Mut ATGGCGGACTACCT\*\*\*\*\*GCCTCACCTACAA  
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.