

# EPCAM Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02463

## Basic Information

### Catalog No.

RM02463

### Category

Cell Lysate

### Parental Cell line

293T

### Genotype

Knockout

## Gene Information

### Gene Symbol

EPCAM

### Species

Human

### Gene ID

4072

### Swiss Prot

P16422

### Synonyms

DIAR5; EGP-2; EGP314; EGP40; ESA;  
HNPC8; KS1/4; KSA; M4S1; MIC18;  
MK-1; TACSTD1; TROP1

## Contact

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## Background

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]

## Product Information

### Description

EPCAM Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:34bp deletion in exon3

Allele-2:34bp deletion in exon3

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 CTGA\*\*\*\*\*GGCC\*TGAA\*\*\*\*\*CTGA  
Mut CTGA\*\*\*Deletion\*\*\*GGCC\*TGAA\*\*\*Deletion\*\*\*CTGA  
Allele-1: 34bp deletion in exon3

WT CTGA\*\*\*\*\*GGCC\*TGAA\*\*\*\*\*CTGA  
Mut CTGA\*\*\*Deletion\*\*\*GGCC\*TGAA\*\*\*Deletion\*\*\*CTGA  
Allele-2: 34bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and EPCAM knockout (KO) 293T cells, using sanger sequencing.