Leader in Biomolecular Solutions for Life Science

www.abclonal.com

EPCAM Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02463

Basic Information

Catalog No.
RM02463

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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]

Gene Information

Gene Symbol
EPCAM

Species
Human

Gene ID
4072

Swiss Prot
P16422

Synonyms
DIAR5; EGP-2; EGP314; EGP40; ESA; HNPCC8; KS1/4; KSA; M4S1; MIC18; MK-1; TACSTD1; TROP1

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℃

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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

```
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.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.