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ACKR3 Knockout 4T1 Cell Lysate, Homozygous

Catalog No.: RM50146

Basic Information

Catalog No.
RM50146

Category
Cell Lysate

Parental Cell line
4T1

Genotype
Knockout

Background

Predicted to enable chemokine binding activity; chemokine receptor activity; and scavenger receptor activity. Acts upstream of or within negative regulation of cell population proliferation and positive regulation of ERK1 and ERK2 cascade. Predicted to be located in several cellular components, including cell surface; clathrin-coated pit; and endosome. Predicted to be active in external side of plasma membrane. Is expressed in several structures, including adrenal gland; central nervous system; genitourinary system; heart; and hemolymphoid system. Orthologous to human ACKR3 (atypical chemokine receptor 3).

Gene Information

Gene Symbol
ACKR3

Species
Mouse

Gene ID
12778

Swiss Prot
P56485

Synonyms
Rdc1; Cxcr7; RDC-1; CXC-R7; CXCR-7; Cmkor1

Product Information

Description
ACKR3 Knockout cell line is engineered from 4T1 cell line with Gene-Editing Technology.
Allele-1:88bp deletion in exon1
Allele-2:1bp insertion and 3bp deletion in exon1
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
Lysate is stable for 12 months when stored at -20℃. 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.

Contact

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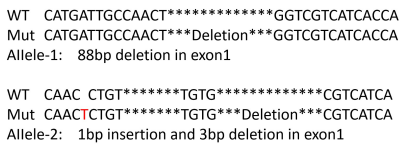
Sequencing data



Genome sequence analysis of PCR products from parental (WT) and ACKR3 knockout (KO) 4T1 cells, using sanger sequencing.