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SPECC1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50041

Basic Information

Catalog No.
RM50041

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
SPECC1

Species
Human

Gene ID
92521

Swiss Prot
Q5M775

Synonyms
NSP; NSP5; CYTSB; HCMOGT1; HCMOGT-1

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Background

The protein encoded by this gene belongs to the cytospin-A family. It is localized in the nucleus, and highly expressed in testis and some cancer cell lines. A chromosomal translocation involving this gene and platelet-derived growth factor receptor, beta gene (PDGFRB) may be a cause of juvenile myelomonocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Product Information

Description
SPECC1 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:116bp deletion in exon1
Allele-2:116bp 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
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

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WT    TGAGGGGACTGATG**********GAAAACCGGGTCCT
Mut   TGAGGGGACTGATG***Deletion***GAAAACCGGGTCCT
Allele-1:   116bp deletion in exon2

WT    TGAGGGGACTGATG**********GAAAACCGGGTCCT
Mut   TGAGGGGACTGATG***Deletion***GAAAACCGGGTCCT
Allele-2:   116bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and SPECC1 knockout (KO) HeLa cells, using sanger sequencing.