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GFAP Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM01986

Basic Information

Catalog No.
RM01986

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Gene Information

Gene Symbol
GFAP

Species
Human

Gene ID
2670

Swiss Prot
P14136

Synonyms
ALXDRD

Product Information

Description
GFAP Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:202bp deletion in exon1
Allele-2:202bp 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

```
WT    CCTCCACTCCCGAC**************TACCAGGCTGAGCT
Mut   CCTCCACTCCCGAC***Deletion***TACCAGGCTGAGCT
Allele-1：202bp deletion in exon1

WT    CCTCCACTCCCGAC**************TACCAGGCTGAGCT
Mut   CCTCCACTCCCGAC***Deletion***TACCAGGCTGAGCT
Allele-2：202bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and GFAP knockout (KO) HeLa cells, using sanger sequencing.