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UBE2O Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50100

Basic Information

Catalog No.
RM50100

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
UBE2O

Species
Human

Gene ID
63893

Swiss Prot
Q9C0C9

Synonyms
E2-230K; 2O

Contact

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Background

Enables ubiquitin conjugating enzyme activity and ubiquitin protein ligase activity. Involved in positive regulation of BMP signaling pathway; protein ubiquitination; and retrograde transport, endosome to Golgi. Located in cytoplasm and nuclear body.

Product Information

Description
UBE2O Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:164bp deletion in exon1
Allele-2:163bp 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

```
WT    GGTGTCGGGCCGTT**********CAGTGGTACCCGGA
Mut   GGTGTCGGGCCGTT***Deletion***CAGTGGTACCCGGA
Allele-1:   164bp deletion in exon1

WT    GTGTCGGGCCGTTA**********CAGTGGTACCCGGA
Mut   GTGTCGGGCCGTTA***Deletion***CAGTGGTACCCGGA
Allele-2:   163bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and UBE2O knockout (KO) HeLa cells, using sanger sequencing.

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