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IL23R Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02260

Basic Information

Catalog No.
RM02260

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
IL23R

Species
Human

Gene ID
149233

Swiss Prot
Q5VWK5

Product Information

Description
IL23R Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:169bp deletion in exon2
Allele-2:169bp deletion in exon2
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 ATAAACTGCTCTGG**********TATAAAAACTTTCT
Mut ATAAACTGCTCTGG***Deletion***TATAAAAACTTTCT
Allele-1: 169bp deletion in exon2

WT ATAAACTGCTCTGG**********TATAAAAACTTTCT
Mut ATAAACTGCTCTGG***Deletion***TATAAAAACTTTCT
Allele-2: 169bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and IL23R knockout (KO) HeLa cells, using sanger sequencing.

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