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AURKB Knockdown 293T Cell Lysate, Heterozygous

Catalog No.: RM02486

Basic Information

Catalog No.
RM02486

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockdown

Gene Information

Gene Symbol
AURKB

Species
Human

Gene ID
9212

Swiss Prot
Q96GD4

Synonyms
AIK2; AIM-1; AIM1; ARK2; AurB; IPL1; PPP1R48; STK12; STK5; aurkb-sv1; aurkb-sv2

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Background

This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015]

Product Information

Description
AURKB Knockdown 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:WT
Allele-2:exon3 was deleted
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    AAGGTCATCCCTGT**********GGAGGAGTAGGGAT
Mut   AAGGTCATCCCTGT**********GGAGGAGTAGGGAT
Allele-1:   WT

WT    AAGGTCATCCCTGT**********GGAGGAGTAGGGAT
Mut   AAGGTCATCCCTGT***Deletion***GGAGGAGTAGGGAT
Allele-2:   exon3 was deleted
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Genome sequence analysis of PCR products from parental (WT) and AURKB knockdown (KD) 293T cells, using sanger sequencing.