

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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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.

Sequencing data

WT AAGTCATCCCTG*****GGAGGAGTAGGGAT
Mut AAGTCATCCCTG*****GGAGGAGTAGGGAT
Allele-1: WT

WT AAGTCATCCCTG*****GGAGGAGTAGGGAT
Mut AAGTCATCCCTG***Deletion***GGAGGAGTAGGGAT
Allele-2: exon3 was deleted

Genome sequence analysis of PCR products from parental (WT) and AURKB knockdown (KD) 293T cells, using sanger sequencing.