

FOXM1 Knockdown HCT116 Cell Lysate, Heterozygous

Catalog No.: RM02034

Basic Information

Catalog No.

RM02034

Category

Cell Lysate

Parental Cell line

HCT116

Genotype

Knockdown

Gene Information

Gene Symbol

FOXM1

Species

Human

Gene ID

2305

Swiss Prot

Q08050

SynonymsFKHL16; FOXM1B; HFH-11; HFH11;
HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2;
PIG29; TRIDENT

Contact

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Background

The protein encoded by this gene is a transcriptional activator involved in cell proliferation. The encoded protein is phosphorylated in M phase and regulates the expression of several cell cycle genes, such as cyclin B1 and cyclin D1. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

Product Information

Description

FOXM1 Knockdown HCT116 Cell Line is engineered from HCT116 cell line with Gene-Editing technology.

Allele-1:105bp deletion in exon1

Allele-2:107bp 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°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 CCCCTGCCCAACAG*****GTAGTGGCCATCCC
Mut CCCCTGCCCAACAG***Deletion***GTAGTGGCCATCCC
Allele-1: 105bp deletion in exon1
WT ATCCCCTGCCCAAC*****GTAGTGGCCATCCC
Mut ATCCCCTGCCCAAC***Deletion***GTAGTGGCCATCCC
Allele-2: 107bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and FOXM1 Knockdown (KD) HCT116 cells, using sanger sequencing.