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FOXM1 Knockdown HCT116 Cell Lysate, Heterozygous

Catalog No.: RM02034

Basic Information

Catalog No.
RM02034

Category
Cell Lysate

Parental Cell line
HCT116

Genotype
Knockdown

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]

Gene Information

Gene Symbol
FOXM1

Species
Human

Gene ID
2305

Swiss Prot
Q08050

Synonyms
FKHL16; FOXM1B; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TRIDENT

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℃

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.

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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.