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CDX2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02461

Basic Information

Catalog No.
RM02461

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth an differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012]

Gene Information

Gene Symbol
CDX2

Species
Human

Gene ID
1045

Swiss Prot
Q99626

Synonyms
CDX-3; CDX2/AS; CDX3

Product Information

Description
CDX2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:58bp deletion in exon1
Allele-2:58bp 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 ACCTGGCGCCGCAG**********CTGCAGCGGCAGCG
Mut ACCTGGCGCCGCAG***Deletion***CTGCAGCGGCAGCG
Allele-1: 58bp deletion in exon1

WT ACCTGGCGCCGCAG**********CTGCAGCGGCAGCG
Mut ACCTGGCGCCGCAG***Deletion***CTGCAGCGGCAGCG
Allele-2: 58bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and CDX2 knockout (KO) 293T cells, using sanger sequencing.

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