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ANXA2 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02368

Basic Information

Catalog No.
RM02368

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Background

This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
ANXA2

Species
Human

Gene ID
302

Swiss Prot
P07355

Synonyms
ANX2; ANX2L4; CAL1H; HEL-S-270; LIP2; LPC2; LPC2D; P36; PAP-IV

Product Information

Description
ANXA2 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:WT
Allele-2:exon1 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
Lysate is stable for 12 months when stored at -20℃. 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.

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Sequencing data

WT GTGCTTCAGAGTAA**********GGAAGATGGGGACA
Mut GTGCTTCAGAGTAA***Deletion***GGAAGATGGGGACA
Allele-1: WT

WT GTGCTTCAGAGTAA**********GGAAGATGGGGACA
Mut GTGCTTCAGAGTAA***Deletion***GGAAGATGGGGACA
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and ANXA2 Knockdown (KD) HeLa cells, using sanger sequencing.