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HMMR Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02278

Basic Information

Catalog No.
RM02278

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

The protein encoded by this gene is involved in cell motility. It is expressed in breast tissue and together with other proteins, it forms a complex with BRCA1 and BRCA2, thus is potentially associated with higher risk of breast cancer. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Dec 2008]

Gene Information

Gene Symbol
HMMR

Species
Human

Gene ID
3161

Swiss Prot
O75330

Synonyms
CD168; IHABP; RHAMM

Product Information

Description
HMMR Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:1bp deletion in exon2
Allele-2:77bp deletion in exon2
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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

WT GGCTAAATGCTGCA**********TAAGGGAAAAAACA
Mut GGCTAAATGCTGCA***Deletion***TAAGGGAAAAAACA
Allele-1: 1bp deletion in exon2

WT GTTCTTCTACAGGA**********TAAGGGAAAAAACA
Mut GTTCTTCTACAGGA***Deletion***TAAGGGAAAAAACA
Allele-2: 77bp deletion in exon2

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