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EGFR Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM01854

Basic Information

Catalog No.
RM01854

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Background

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq, Jun 2016]

Gene Information

Gene Symbol
EGFR

Species
Human

Gene ID
1956

Swiss Prot
P00533

Synonyms
ERBB; ERBB1; HER1; NISBD2; PIG61; mENA

Product Information

Description
EGFR Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

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

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Sequencing data

WT AGCGAATTCCT**********GAAGGAGCTGC
Mut AGCGAATTCCT***Deletion(95bp)***GAAGGAGCTGC
Allele-1: 95 bp deletion in exon3

WT GGAGCGAATTC**********TGAAGGAGCTG
Mut GGAGCGAATTC****Mutation****TGAAGGAGCTG
Allele-2: exon3 was destroyed

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

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