

# EGFR Knockdown HeLa Cell Lysate, Heterozygous

**Catalog No.:** RM01854

## Basic Information

### Catalog No.

RM01854

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockdown

## Gene Information

### Gene Symbol

EGFR

### Species

Human

### Gene ID

1956

### Swiss Prot

P00533

### Synonyms

ERBB; ERBB1; HER1; NISBD2; PIG61; mENA

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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]

## 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°C

### Amount

50μL, 2μg/μL.

### Storage

Lysate is stable for 12 months when stored at -20°C. 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.

## Sequencing data

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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.