

# XIAP Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02388

## Basic Information

**Catalog No.**

RM02388

**Category**

Cell Lysate

**Parental Cell line**

HeLa

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

XIAP

**Species**

Human

**Gene ID**

331

**Swiss Prot**

P98170

**Synonyms**API3; BIRC4; IAP-3; ILP1; MIHA; XLP2;  
hiAP-3; hiAP3

## Contact

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## Background

This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]

## Product Information

**Description**

XIAP Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:149bp deletion in exon1

Allele-2:149bp 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°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 AATAGTGCCACGCA\*\*\*\*\*ACCCGAGGAACCCT  
Mut AATAGTGCCACGCA\*\*\*Deletion\*\*\*ACCCGAGGAACCCT  
Allele-1: 149bp deletion in exon1  
WT AATAGTGCCACGCA\*\*\*\*\*ACCCGAGGAACCCT  
Mut AATAGTGCCACGCA\*\*\*Deletion\*\*\*ACCCGAGGAACCCT  
Allele-2: 149bp deletion in exon1

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