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BAP1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02084

Basic Information

Catalog No.
RM02084

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
BAP1

Species
Human

Gene ID
8314

Swiss Prot
Q92560

Synonyms
HUCEP-13; UCHL2; hucep-6

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

This gene belongs to the ubiquitin C-terminal hydrolase subfamily of deubiquitinating enzymes that are involved in the removal of ubiquitin from proteins. The encoded enzyme binds to the breast cancer type 1 susceptibility protein (BRCA1) via the RING finger domain of the latter and acts as a tumor suppressor. In addition, the enzyme may be involved in regulation of transcription, regulation of cell cycle and growth, response to DNA damage and chromatin dynamics. Germline mutations in this gene may be associated with tumor predisposition syndrome (TPDS), which involves increased risk of cancers including malignant mesothelioma, uveal melanoma and cutaneous melanoma. [provided by RefSeq, May 2013]

Product Information

Description
BAP1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:exon2 was deleted
Allele-2:exon2 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
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.

Sequencing data

WT TTCCTTTCCTCATC**********TTGTAAAATCTCAC
Mut TTCCTTTCCTCATC***Deletion***TTGTAAAATCTCAC
Allele-1: exon2 was deleted

WT TTTCCTTTCCTCAT**********TTGTAAAATCTCAC
Mut TTTCCTTTCCTCAT***Deletion***TTGTAAAATCTCAC
Allele-2: exon2 was deleted

Genome sequence analysis of PCR products from parental (WT) and BAP1 knockout (KO) 293T cells, using sanger sequencing.