Leader in Biomolecular Solutions for Life Science

www.abclonal.com

MAPT Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02046

Basic Information

Catalog No.
RM02046

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
MAPT

Species
Human

Gene ID
4137

Swiss Prot
P10636

Synonyms
DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU

Product Information

Description
MAPT Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:149bp deletion in exon3
Allele-2:151bp deletion in exon3
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    GACCTATCCCAGAG**************TGCCACGGAGCTCT
Mut   GACCTATCCCAGAG***Deletion***TGCCACGGAGCTCT
Allele-1：149bp deletion in exon3

WT    GACCTATCCCAGAG**************CCACGGAGCTCTGC
Mut   GACCTATCCCAGAG***Deletion***CCACGGAGCTCTGC
Allele-2：151bp deletion in exon3
```

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

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.