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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PTEN 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005728-T01

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

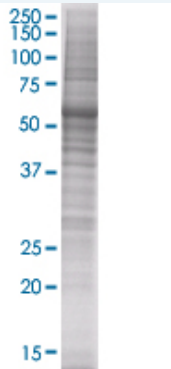
Plasmid: pCMV-PTEN full-length

Host: Human

Theoretical MW (kDa): 44.33

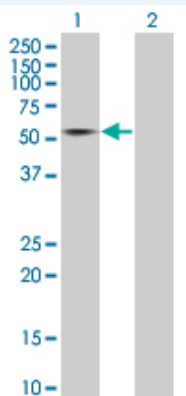
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PTEN antibody (H00005728-B01) by Western Blots.

SDS-PAGE Gel



PTEN transfected lysate

Western Blot



Lane 1: PTEN transfected lysate (44.33 KDa).

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Western Blot

Gene Information

Entrez GeneID: [5728](#)

GeneBank [BC005821](#)
Accession#:

Protein [AAH05821](#)
Accession#:

Gene Name: PTEN

Gene Alias: 10q23del,BZS,MGC11227,MHAM,MMAC1,PTEN1,TEP1

Gene Description: phosphatase and tensin homolog

Omim ID: [137800](#), [153480](#), [158350](#), [174900](#), [176807](#), [176920](#), [188470](#), [276950](#), [601728](#), [605309](#), [607174](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negatively regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signaling pathway. [provided by RefSeq]

Other Designations: MMAC1 phosphatase and tensin homolog deleted on chromosome 10,OTTHUMP00000020032,mutated in multiple advanced cancers 1

Gene Pathway

[Endometrial cancer](#) [Focal adhesion](#) [Glioma](#) [Inositol phosphate metabolism](#) [Melanoma](#) [p53 signaling pathway](#) [Pathways in cancer](#) [Phosphatidylinositol signaling system](#) [Prostate cancer](#) [Small cell lung cancer](#) [Tight junction](#)

Related Disease

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