



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### PTEN (phospho S380) recombinant monoclonal antibody, clone 4D10

**Catalog Number:** RAB04294

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit recombinant monoclonal antibody raised against human PTEN.

**Clone Name:** 4D10

**Immunogen:** Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S380 of human PTEN.

**Theoretical MW (kDa):** Calculated MW: 54 kD

**Antibody Species:** Rabbit

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Affinity chromatography

**Isotype:** IgG

**Recommend Usage:** ELISA

Western Blot (1:500-1:5000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

**Storage Instruction:** Store at -20 °C or -80 °C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5728

**Gene Symbol:** PTEN

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

**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]