

Datasheet for ABIN7302718

**anti-PTEN antibody (C-Term, pSer380, pThr382, pThr383)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µL
Target:	PTEN
Binding Specificity:	C-Term, pSer380, pThr382, pThr383
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

## Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PTEN.
Specificity:	Recognizes endogenous levels of PTEN (pS380/T382/T383) protein.
Characteristics:	Rabbit polyclonal antibody to PTEN (pS380/T382/T383)
Purification:	The antibody was purified by affinity chromatography.

## Target Details

Target:	PTEN
Alternative Name:	PTEN ( <a href="#">PTEN Products</a> )
Background:	MMAC1, TEP1, Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN, Mutated in multiple advanced cancers 1, Phosphatase and tensin

## Target Details

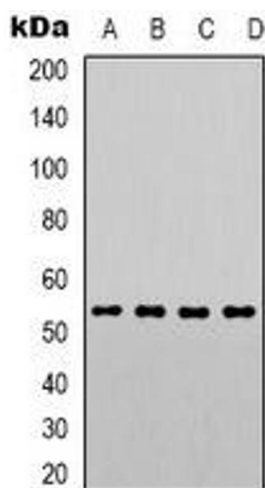
	homolog
Gene ID:	5728, 19211
UniProt:	<a href="#">P60484</a> , <a href="#">O08586</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Autophagy</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">BCR Signaling</a>

## Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500), IP (1:10 - 1:100)
Restrictions:	For Research Use only

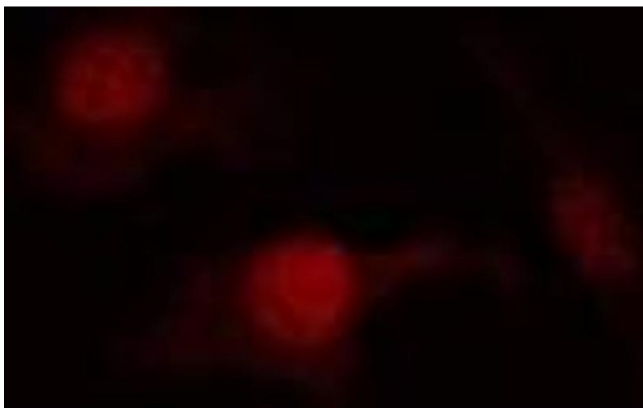
## Handling

Format:	Liquid
Buffer:	Liquid in PBS, pH 7.3, 0.2 % BSA, and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



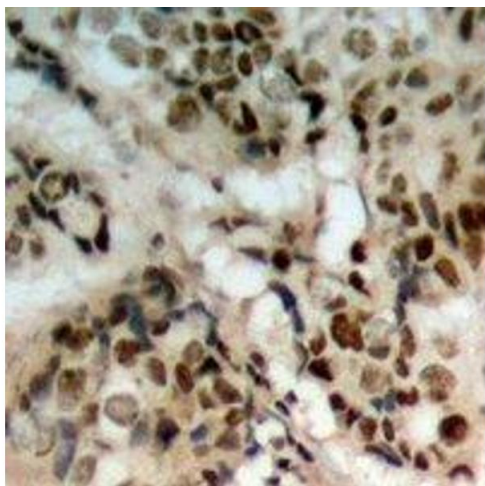
### Western Blotting

**Image 1.** Western blot analysis of PTEN (pS380/T382/T383) expression in HeLa (A), A431 (B), MCF7 (C), RAW264.7 (D) whole cell lysates.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of PTEN (pS380/T382/T383) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of PTEN (pS380/T382/T383) staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section wa