

Datasheet for ABIN7437623  
**anti-PTEN antibody (AA 2-403)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	PTEN
Binding Specificity:	AA 2-403
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Polyclonal Antibody to Phosphatase And Tensin Homolog (PTEN)
Immunogen:	Recombinant Phosphatase And Tensin Homolog (PTEN) corresponding to Thr2~Val403 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against PTEN. It has been selected for its ability to recognize PTEN in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rat, Sheep
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

Target:	PTEN
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## Target Details

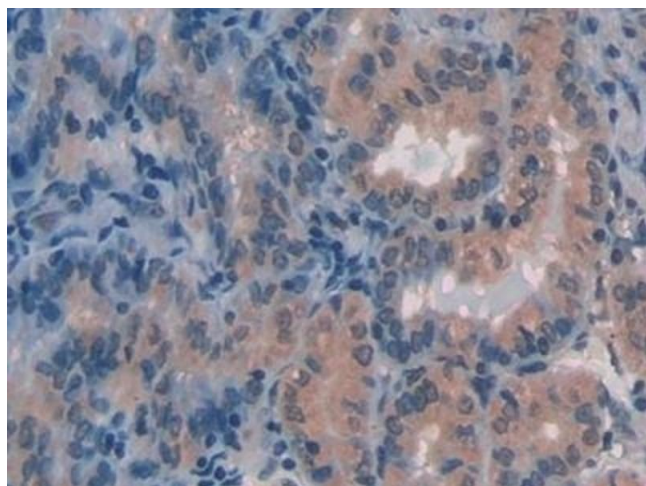
Alternative Name:	Phosphatase And Tensin Homolog ( <a href="#">PTEN Products</a> )
Background:	BZS, MHAM, MMAC1, PTEN1, TEP1, Mutated In Multiple Advanced Cancers 1, Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
Pathways:	<a href="#">TCR Signaling</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:	Western blotting: 0.2-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

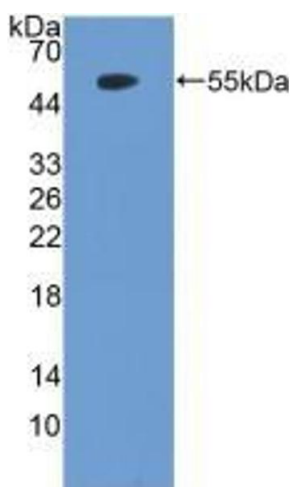
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



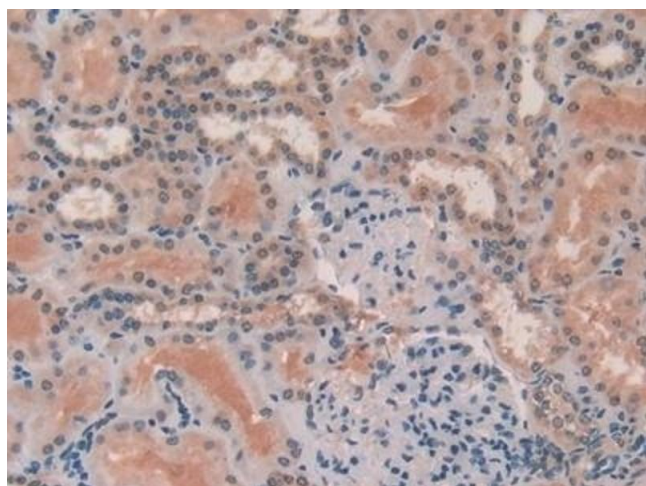
#### Immunohistochemistry

**Image 1.** Detection of PTEN in Human Thyroid cancer Tissue using Polyclonal Antibody to Phosphatase And Tensin Homolog (PTEN)



#### Western Blotting

**Image 2.** Detection of Recombinant PTEN, Human using Polyclonal Antibody to Phosphatase And Tensin Homolog (PTEN)



#### Immunohistochemistry

**Image 3.** Detection of PTEN in Human Kidney Tissue using Polyclonal Antibody to Phosphatase And Tensin Homolog (PTEN)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7437623.