

## PTEN Recombinant antibody

**Cat:**B32180R

**Company:** Haokebio

**Uniprot ID:**P60484

**Applications:** IHC:1:100-1:200

**Organism:**Rabbit

IHC-Polymer:1:400-1:800

**Species reactivity:**Human

TSA:1:500-1:1000

### Background:

PTEN, as a dual-specificity protein phosphatase, can dephosphorylate tyrosine-, serine-, and threonine-phosphorylated proteins. Studies have shown that the PTEN gene is a tumor suppressor gene located on chromosome 10q23. It antagonizes the PI3K/AKT/PKB signaling pathway by dephosphorylating phosphoinositides, thereby regulating cell cycle progression and cell survival. Mutations and deletions of the PTEN gene may lead to novel signal transduction pathways associated with human malignant tumors. Research indicates that loss of PTEN expression is common in high-grade endometrioid carcinoma; additionally, loss of PTEN gene expression has also been observed in glioblastoma, prostate cancer, melanoma, and breast cancer.

### Protein full name:

phosphatase and tensin homolog

### Synonyms:

10q23del, 4D8G9, Bannayan Zonana syndrome, BC005821, BZS

### Immunogen:

Peptide

### Isotype:

IgG

### Subcellular location:

Cytoplasm, Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

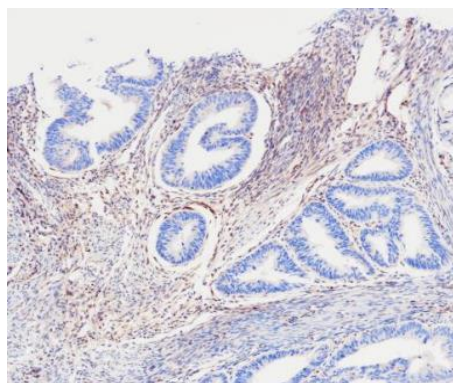
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Human endometrial cancer tissue, 4% PFA 12-24h

### Source of Reagents:

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发表[英文论文]请标注:PTEN(B32180R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.