

### 36-1594: Polyclonal Antibody to PTEN (Tumor Suppressor Protein)(Discontinued)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	FACS,WB,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	PTEN
<b>Gene ID :</b>	5728
<b>Uniprot ID :</b>	P60484
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PTEN,MMAC1,TEP1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant full-length human PTEN protein

#### Description

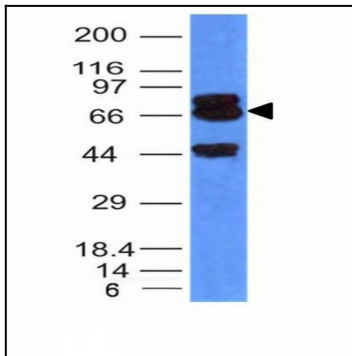
Recognizes a protein of 55kDa, which is identified as PTEN. PTEN is one of the most commonly lost tumor suppressors in human cancer; in fact, up to 70% of men with prostate cancer are estimated to have lost a copy of the PTEN gene at the time of diagnosis. During tumor development, mutations and deletions of PTEN occur that inactivate its enzymatic activity leading to increased cell proliferation and reduced cell death. Frequent genetic inactivation of PTEN occurs in glioblastoma, endometrial cancer, and prostate cancer; and reduced expression is found in many other tumor types such as lung and breast cancer. In breast and prostate cancer, loss of PTEN expression has been shown to correlate positively with advanced stage. Furthermore, PTEN mutation also causes a variety of inherited predispositions to cancer.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Flow Cytometry (0.5-1µg/million cells); Immunofluorescence (1-2µg/ml); Western Blot (0.5-1µg/ml); Optimal dilution for a specific application should be determined.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PTEN Polyclonal Antibody.