

## Product datasheet for **TA307724**

### PTEN Rabbit Monoclonal Antibody [Clone ID: EP2138Y]

#### Product data:

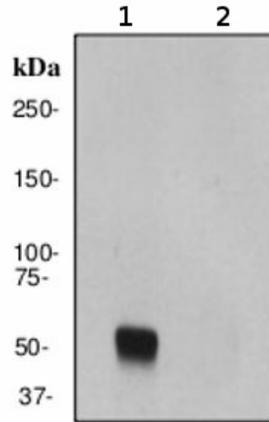
Product Type:	Primary Antibodies
Clone Name:	EP2138Y
Applications:	IHC, WB
Recommended Dilution:	ICC: 1:100 - 250, IHC: 1:100 - 250, WB: 1:500 - 2000
Reactivity:	Mouse, Rat, Human
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues near serine 380 of human PTEN protein.
Formulation:	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	phosphatase and tensin homolog
Database Link:	<a href="#">NP_000305</a> <a href="#">Entrez Gene 19211 Mouse</a> <a href="#">Entrez Gene 50557 Rat</a> <a href="#">Entrez Gene 5728 Human</a> <a href="#">P60484</a>
Background:	PTEN is a protein tyrosine phosphatase that acts as a tumor suppressor, as a lipid phosphatase that dephosphorylates the D3 position of phosphatidylinositol 3,4,5-trisphosphate and as an antagonist of the PI3k
Synonyms:	10q23del; BZS; CWS1; DEC; GLM2; MHAM; MMAC1; PTEN1; TEP1
Protein Families:	Druggable Genome, Phosphatase



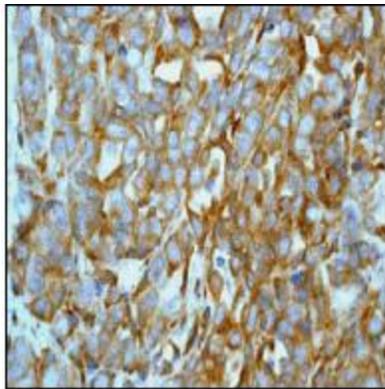
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**Protein Pathways:**

Endometrial cancer, Focal adhesion, Glioma, Inositol phosphate metabolism, Melanoma, p53 signaling pathway, Pathways in cancer, Phosphatidylinositol signaling system, Prostate cancer, Small cell lung cancer, Tight junction

**Product images:**

Western blot - PTEN (phospho S380) antibody [EP2138Y]; All lanes : Anti-PTEN (phospho S380) antibody [EP2138Y] at 1/2000 dilution. Lane 1 : NIH3T3 cell lysate. Lane 2 : NIH3T3 cell lysate treated with AP. Lysates/proteins at 10 ug per lane. Secondary: Goat anti-rabbit-HRP at 1/1000 dilution. Predicted band size : 47 kDa. Observed band size : 47 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - PTEN (phospho S380) antibody [EP2138Y]; TA307724, at a 1/100 dilution, staining PTEN in human uterine adenocarcinoma tissue by Immunohistochemistry.