

# PTEN (ZR235)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant full-length human PTEN protein  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** PTEN (ZR235) Rabbit Monoclonal primary antibody detects PTEN protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain PTEN protein.

**Localization:** Cytoplasmic and nucleus.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** PTEN (phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase) contains a tensin-like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. It was identified as a tumor suppressor that is mutated in a large number of cancers, including sporadic brain, breast, endometrial, kidney, and prostate cancers.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Perren A, et al. Am J Pathol. 1999; 155:1253-1260
2. Pallares J, et al. Mod Pathol. 2005; 18:719-727

**REF** Z2711RL/ Z2711RS/ Z2711RT/ Z2711RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)