

# PLAP (ZR441)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant full-length human ALPP 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:** PLAP (ZR441) Rabbit Monoclonal primary antibody detects PLAP 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 PLAP protein.

**Localization:** Membrane.

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

**Description:** Reacts with a 70 kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase. PLAP is found expressed in germ cell tumors but not in other neoplasms. Somatic neoplasms e.g. breast, gastrointestinal, prostatic, and urinary cancers, may also express PLAP. In addition, human seminoma expresses PLAP as well as keratin, while carcinoma does not. Furthermore, PLAP expression has been shown for gestational trophoblastic disease.

**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. Manivel JC, et al. Am J Surg Pathol. 1987;11(1):21-9.
2. Shih IM, et al. Am J Surg Pathol. 1998;22(11):1393-403.
3. Wang F, et al. Am J Surg Pathol. 2009;33(10):1529-39.

**REF** Z2797RL/ Z2797RS/ Z2797RT/ Z2797RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)




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**RUO**  
(research  
use only)

**LOT**  
(lot number)

**REF**  
(catalogue  
number)

  
(expiry date)

  
(temperature  
limit)

  
(consult  
Instructions  
for Use)