

36-2340: Anti-Alkaline Phosphatase (Placental) / PLAP (Germ Cell Tumor Marker) Monoclonal Antibody(Clone: ALPP/2899R)

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| Clonality : | Monoclonal |
| Clone Name : | ALPP/2899R |
| Application : | WB,IHC |
| Reactivity : | Human |
| Gene : | ALPP |
| Gene ID : | 250 |
| Uniprot ID : | P05187 |
| Alternative Name : | Alkaline phosphatase placental type; Alkaline phosphatase Regan Isozyme; ALP; Alp1; ALPP; Germ-cell alkaline phosphatase; nagao Isozyme; PALP; Placental alkaline phosphatase 1; placental heat-stable alkaline phosphatase; PLAP-1; PLAP1 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Recombinant full-length human ALPP protein |

Description

Reacts with a 70kDa 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. Anti-PLAP reacts with germ cell tumors and can discriminate between these and other neoplasms. Somatic neoplasms e.g. breast, gastrointestinal, prostatic, and urinary cancers may also immunoreact with antibodies to PLAP. Anti-PLAP positivity in conjunction with anti-keratin negativity favors seminoma over carcinoma. Germ cell tumors are usually anti-keratin positive, but they regularly fail to stain with anti-EMA, whereas most carcinomas stain with anti-EMA. Anti-PLAP has been useful in the diagnosis of gestational trophoblastic disease.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT)(No special pretreatment is required for the immunohistochemical staining of formalin-fixed tissues);

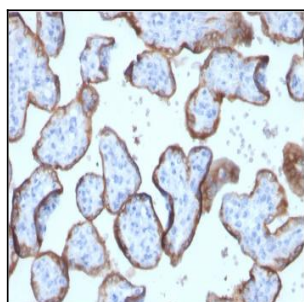


Fig. 1: Formalin-fixed, paraffin-embedded human placenta stained with PLAP Rabbit Recombinant Monoclonal Antibody (ALPP/2899R).

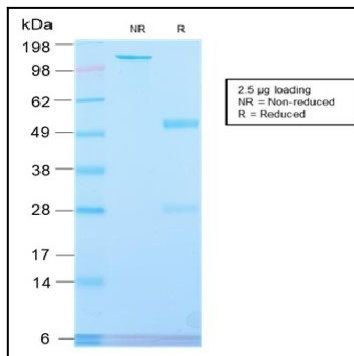


Fig. 2: SDS-PAGE Analysis Purified PLAP Rabbit Recombinant Monoclonal Antibody (ALPP/2899R). Confirmation of Integrity and Purity of Antibody.