

## ARG66879 anti-PLAP / Placental alkaline phosphatase antibody [SQab22282]

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [SQab22282] recognizes PLAP / Placental alkaline phosphatase  |
| Tested Reactivity   | Hu  |
| Tested Application  | IHC-P   |
| Specificity         | The clone SQab22282 recognizes throphoblast-derived membrane-associated enzyme alkaline phosphatase.  |
| Host                | Mouse   |
| Clonality           | Monoclonal  |
| Clone               | SQab22282   |
| Isotype             | IgG   |
| Target Name         | PLAP / Placental alkaline phosphatase   |
| Species             | Human   |
| Immunogen           | Placental alkaline phosphatase protein  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | PALP; PLAP; EC 3.1.3.1; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; PLAP-1; Alkaline phosphatase, placental type; ALP |

### Application Instructions

|                   |   |               |
|-------------------|---|---------------|
| Application table | Application   | Dilution      |
|                   | IHC-P   | 1:100 - 1:200 |
| Application Note  | IHC-P: Antigen Retrieval: Boil tissue section in Tris/EDTA buffer (pH 9.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |               |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein G.   |
| Buffer              | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.   |
| Preservative        | 0.01% Sodium azide   |
| Stabilizer          | 40% Glycerol and 0.05% BSA   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                |   |
|----------------|---|
| Gene Symbol    | ALPP  |
| Gene Full Name | alkaline phosphatase, placental   |
| Background     | <p>The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015]</p> |
| Research Area  | Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody   |
| Calculated Mw  | 58 kDa  |