



Mouse anti PLAP Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** PLAP
- **Catalogue:** 604-300
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** PLAP
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human PLAP

BACKGROUND

PLAP, a membrane-bound glycosylated dimeric enzyme, was initially identified in the placenta. PLAP is also known as phospholipase A2 activating protein. Abnormal amyloid beta-induced activation of synaptic phospholipase A2 results in synaptic degeneration due to elevated levels of platelet-activating factor, suggesting that PLAP may be a contributing factor in synaptic damage observed in Alzheimer's disease patients. Clinically, PLAP is broadly used as a tumor marker, especially in germinoma, seminoma, and ovarian cancer.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human PLAP protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 120.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

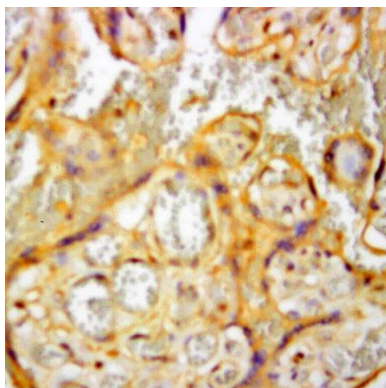
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human placenta (FFPE) stained with Mouse anti-PLAP antibody (Cat# 604-300) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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