

---

**Product Name: PLAGL1 Mouse Monoclonal Antibody****Catalog #: AMM81246**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | IHC,ELISA   |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 50.8kDa                               |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | PLAGL1  |
| <b>Alternative Names</b> | ZAC; LOT1; ZAC1   |
| <b>Gene ID</b>           | 5325.0  |
| <b>SwissProt ID</b>      | Q9UM63  |
| <b>Immunogen</b>         | Purified recombinant fragment of human PLAGL1 (AA: 118-222) expressed in E. Coli. |

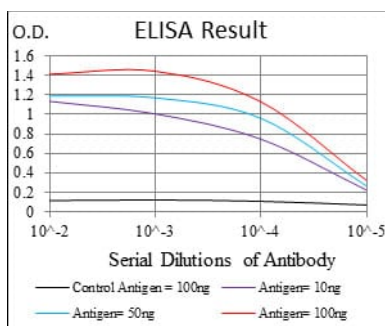
**Background**

This gene encodes a C2H2 zinc finger protein with transactivation and DNA-binding activities. It has been shown to have anti-proliferative properties, and thus thought to function as a tumor suppressor. In addition, overexpression of this gene during fetal development is believed to underlie the rare disorder, transient neonatal diabetes mellitus (TNDM). This gene is imprinted,

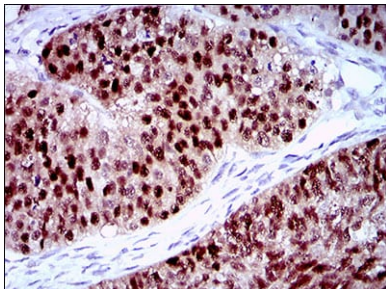
with preferential expression of the paternal allele in many tissues, however, biallelic expression has been noted in peripheral blood leucocytes. A recent study reports that tissue-specific imprinting results from variable utilization of monoallelic and biallelic promoters. Many transcript variants differing in the 5' UTR and encoding two different isoforms, have been found for this gene.

## Research Area

## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using PLAGL1 mouse mAb with DAB staining.