

Anti-PLAGL1 Antibody [C5-D8]

EM1708-70



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	IHC-P
Molecular Wt:	51 kDa
Clone number:	C5-D8

Description: 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.

Immunogen: Purified recombinant fragment of human PLAGL1 (AA: 118-222) expressed in E. Coli.

Positive control: Human ovarian cancer tissue.

Subcellular location: Nucleus.

Database links: SwissProt: Q9UM63 Human

Recommended Dilutions:
IHC-P 1:200-1:1000

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

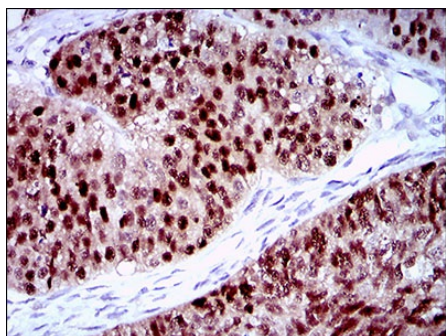


Fig1: Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using PLAGL1 mouse mAb with DAB staining.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Robbins KM et al. Expression of KCNQ1OT1, CDKN1C, H19, and PLAGL1 and the methylation patterns at the KvDMR1 and H19/IGF2 imprinting control regions is conserved between human and bovine. J Biomed Sci 19:95 (2012).
2. Liu PY et al. Zac1, an Sp1-like protein, regulates human p21(WAF1/Cip1) gene expression in HeLa cells. Exp Cell Res 317(20):2925-37 (2011).

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