

Recombinant PLAG1 Monoclonal Antibody

catalog number: **AN301944L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

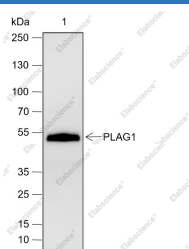
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human PLAG1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C121565
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

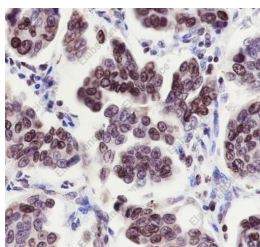
WB	1:5000-1:10000
IHC	1:50

Data

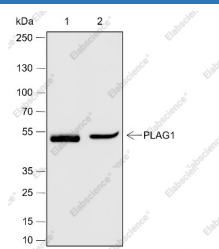


Western Blot with PLAG1 Monoclonal Antibody at dilution of 1:10000. Lane 1: Human liver

Observed-MW:56 kDa
Calculated-MW:56 kDa



Immunohistochemistry of paraffin-embedded Human ovarian tumor using PLAG1 Monoclonal Antibody at dilution of 1:50.



Western Blot with PLAG1 Monoclonal Antibody at dilution of 1:3000. Lane 1: Mouse liver, Lane 2: Rat liver

Observed-MW:56 kDa
Calculated-MW:56 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
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Rev. V1.3

Pleiomorphic adenoma gene 1 protein (PLAG1) is a transcription factor whose activation results in up-regulation of target genes, such as IGFII, leading to uncontrolled cell proliferation. When PLAG1 overexpression in cultured cells, higher proliferation rate and transformation are observed. Other target genes such as CRLF1, CRABP2, CRIP2, PIGF are strongly induced in cells with PLAG1 induction. PLAG1 ectopic expression can trigger the development of pleomorphic adenomas of the salivary gland and lipoblastomas. PLAG1 overexpression is associated with up-regulation of IGFII, is frequently observed in hepatoblastoma, common primary liver tumor in childhood. PLAG1 cooperates with CBFB-MYH11, a fusion gene important for myeloid leukemia.