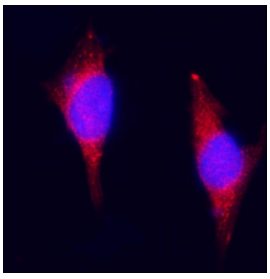
Plagl1 Antibody / Lot1 / Mac (RQ7517)

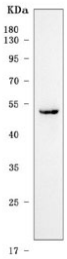
Catalog No.	Formulation	Size
RQ7517	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

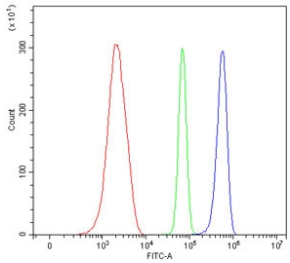
Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	B7ZP38
Localization	Nuclear, possibly cytoplasmic (ER)
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Plagl1 antibody is available for research use only.



Immunofluorescent staining of FFPE mouse RM1 cells with Plagl1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of mouse heart tissue lysate with Plagl1 antibody. Predicted molecular weight ~51 kDa.



Flow cytometry testing of mouse ANA-1 cells with Plagl1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Plagl1 antibody.

Description

Zinc finger protein PLAGL1 (Pleiomorphic adenoma-like protein 1), also called Tumor suppressor ZAC and LOT 1 (Lost on transformation 1) is a protein that in humans is encoded by the PLAGL1 gene. Predicted to enable DNA-binding transcription activator activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within regulation of gene expression and skeletal muscle cell differentiation. Predicted to be located in Golgi apparatus and nuclear body. Is expressed in several structures, including alimentary system; brain; embryo mesenchyme; heart; and sensory organ. Orthologous to human PLAGL1 (PLAG1 like zinc finger 1).

Application Notes

Optimal dilution of the Plagl1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant mouse protein (amino acids M1-Q527) was used as the immunogen for the Plagl1 antibody.

Storage

After reconstitution, the Plagl1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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