

## **PLAGL2 Antibody**

Catalog # ASC11555

#### **Specification**

# **PLAGL2 Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype

Calculated MW Application Notes IF, IHC Q9UPG8

NP\_002648, 5326 Human, Mouse, Rat

Rabbit Polyclonal IaG

55 kDa KDa

PLAGL2 antibody can be used for detection of PLAGL2 by Western blot at 1 - 2 μg/mL.

Antibody can also be used for

Immunohistochemistry at 2  $\mu g/mL$ . For immunofluorescence start at 20  $\mu g/mL$ .

# **PLAGL2 Antibody - Additional Information**

Gene ID **5326** 

# **Target/Specificity**

PLAGL2 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human PLAGL2.<br/>
Str>Chr>The immunogen is located within amino acids 40 - 90 of PLAGL2.

### **Reconstitution & Storage**

PLAGL2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

#### **Precautions**

PLAGL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **PLAGL2 Antibody - Protein Information**

Name PLAGL2

Synonyms KIAA0198

#### **Function**

Shows weak transcriptional activatory activity.

**Cellular Location** 

Nucleus.

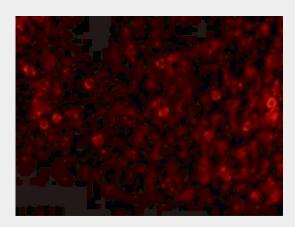


## **PLAGL2 Antibody - Protocols**

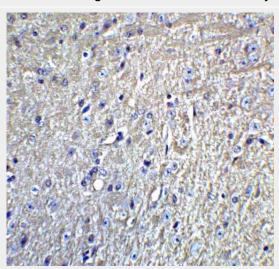
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescen</u>ce
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### PLAGL2 Antibody - Images



Immunofluorescence of PKR in mouse lung tissue with PKR antibody at 20 µg/ml.



Immunohistochemistry of Grik1 in mouse brain tissue with Grik1 Antibodyat 5 μg/mL.

## PLAGL2 Antibody - Background

PLAGL2 Antibody: The PLAG (Pleiomorphic adenoma gene) family of zinc finger proteins include PLAG1, ZAC1 and PLAG-like 2 (PLAGL2). PLAG1 is the target gene for the pleiomorphic adenomas of the salivary gland. ZAC1 (PLAGL1) concomitantly controls apoptosis and cell cycle arrest through separate pathways. ZAC1 also acts as a transcriptional cofactor for nuclear receptors. PLAGL2 belongs to the krueppel C2H2-type zinc-finger protein family and contains 6 C2H2-type zinc fingers. It functions as a positive regulator of transcription and localizes to the nucleus. PLAGL2 is





Tel: 858.875.1900 Fax: 858.875.1999

ubiquitously expressed with particular abundance in spleen, lung and testis, where it may be involved in cell cycle arrest and apoptosis of tumor cells.

# **PLAGL2 Antibody - References**

Kas K, Voz ML, Hensen K, et al. Transcriptional activation capacity of the novel PLAG family of zinc finger proteins. J. Biol. Chem. 1998; 273:23026-32.

Voz ML, Agten NS, Van de Ven WJ, et al. PLAG1, the main translocation target in pleomorphic adenoma of the salivary glands, is a positive regulator of IGF-II. Cancer Res. 2000; 60:106-13. Shu G, Tang Y, Zhou Y, et al. Zac1 is a histone acetylation-regulated NF-kappaB suppressor that mediates histone deacetylase inhibitor-induced apoptosis. Cell Death Differ. 2011; 18:1825-35. Mizutani A, Furukawa T, Adachi Y, et al. A zinc-finger protein, PLAGL2, induces the expression of a proapoptotic protein Nip3, leading to cellular apoptosis. J. Biol. Chem. 2002; 277:15851-8.