

PLAGL2 Antibody
Catalog # ASC11555**Specification**

PLAGL2 Antibody - Product Information

Application	IF, IHC
Primary Accession	Q9UPG8
Other Accession	NP_002648 , 5326
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	55 kDa KDa
Application Notes	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 µg/mL. For immunofluorescence start at 20 µg/mL.

PLAGL2 Antibody - Additional InformationGene ID **5326****Target/Specificity**

PLAGL2 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human PLAGL2.

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

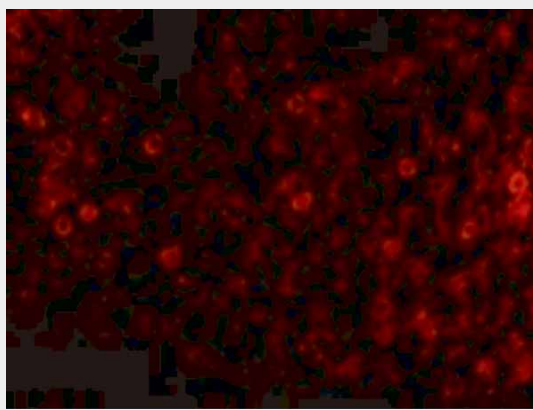
Nucleus.

PLAGL2 Antibody - Protocols

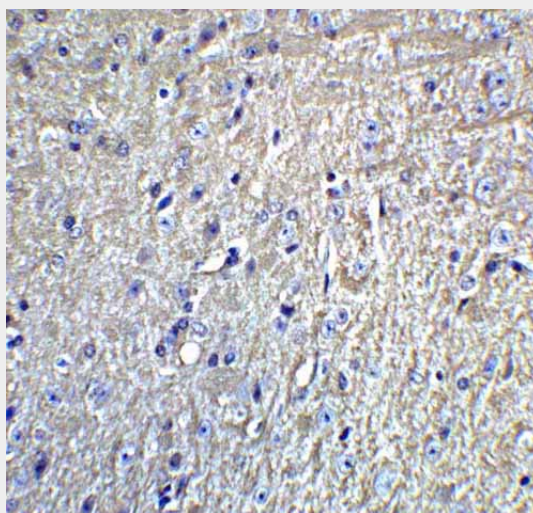
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 Antibody at 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

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.