

Datasheet for 600-401-DQ4**PLAGL2 Antibody****Overview**

Description:	Anti-PLAGL2 (RABBIT) Antibody - 600-401-DQ4
Item No.:	600-401-DQ4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	PLAGL2 Antibody, ZNF900, KIAA0198, Zinc finger protein PLAGL2, Pleiomorphic adenoma-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PLAGL2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PLAGL2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human PLAGL2.

Purity/Specificity: Anti-PLAGL2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms are known to exist.

Relevant Links:

- [UniProtKB - Q9UPG8](#)
- [GeneID - 5326](#)
- [NCBI - NP_002648](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-PLAGL2 Antibody has been tested for use in ELISA, Immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 55 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 2 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

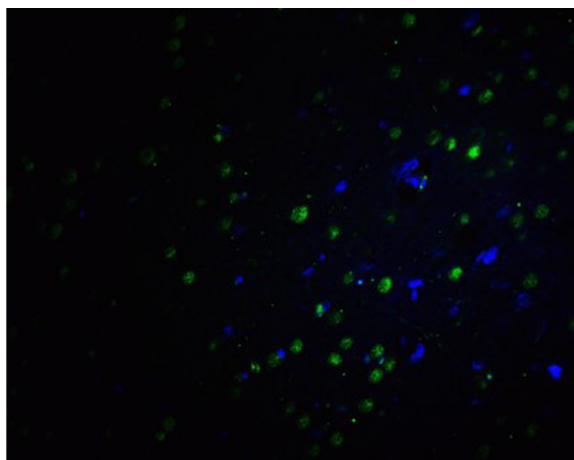
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

Expiration date is one (1) year from date of receipt.

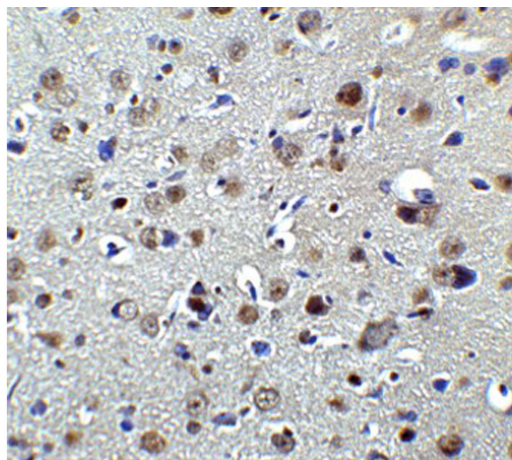
Images**Immunofluorescence Microscopy**

Immunofluorescence of PLAGL2.

Tissue: rat brain tissue.

Primary Antibody: PLAGL2 antibody at 20 µg/ml.

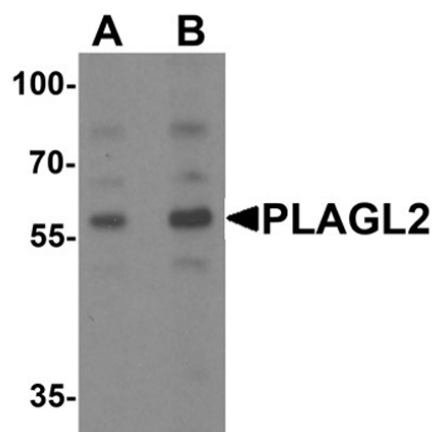
Staining: PLAGL2 (Green), DAPI staining (Blue).

**Immunohistochemistry**

Immunohistochemistry of PLAGL2.

Tissue: rat brain tissue.

Primary Antibody: PLAGL2 antibody at 2 µg/ml.

**Western Blot**

Western blot analysis of PLAGL2.

Load: rat brain tissue lysate.

Primary Antibody: PLAGL2 antibody at (A) 1 and (B) 2 μ g/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.