

Rabbit Anti-PLAG1 Polyclonal: RC0320, RC0320RTU7

Intended Use: For Research Use Only

Description: Pleomorphic adenoma gene 1 encodes a zinc finger protein with 2 putative nuclear localization signals. PLAG1, which is developmentally regulated, has been shown to be consistently rearranged in pleomorphic adenomas of the salivary glands. PLAG1 is activated by the reciprocal chromosomal translocations involving 8q12 in a subset of salivary gland pleomorphic adenomas. Three transcript variants encoding two different isoforms have been found for this gene.

Specifications:

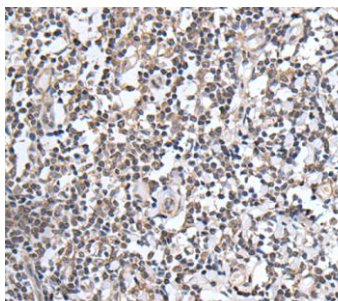
Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human, mouse, rat
Immunogen: KLH conjugated synthetic peptide derived from human PLAG1 21-120/500 aa
Localization: Nucleus
Formulation: Purified antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, ELISA, IF, WB
Package:

Description	Catalog No.	Size
PLAG1 Polyclonal Concentrated	RC0320	1 ml
PLAG1 Polyclonal Prediluted	RC0320RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Astrocytoma and ovarian cancer, cerebrum tissue
Concentrated Dilution: 10-100
Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp: Overnight at 4°C
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-PLAG1 using AEC

References:

1. PLAG1 Immunohistochemical Staining Is a Surrogate Marker for PLAG1 Fusions in Lipoblastomas. Mikako Warren, et al. Pediatric and Developmental Pathology. Oct, 2021.
2. PLAG1 immunohistochemistry is a sensitive marker for Pleomorphic Adenoma: a comparative study with PLAG1 genetic abnormalities. Nora Katabi, et al. Histopathology. Jan; 72(2): 285–293, 2018.
3. Histologic Localization of PLAG1 (Pleomorphic Adenoma Gene 1) in Pleomorphic Adenoma of the Salivary Gland: Cytogenetic Evidence of Common Origin of Phenotypically Diverse Cells. Maria Debiec-Rychter, et al. 01 September 2001.