

Rabbit Anti-Annexin A1 Polyclonal: RC0315

Intended Use: For Research Use Only

Description: The protein Annexin A1 is encoded by the ANXA1 gene, which is upregulated in hairy cell leukemia. Annexin A1 inhibits the NF- κ B signal transduction pathway (which is exploited by cancerous cells to proliferate and avoid apoptosis) by binding to the p65 subunit, and has been of interest for use as a potential anti-cancer drug. It may also contain tumor suppressive and protective characteristics, which have been evidenced by its ability to protect against DNA damage induced by heat in breast cancer cells. Annexin A1 is strongly expressed on the cell membrane and occasionally in the cytoplasm of tumor cells in 97% of samples from patients with hairy cell leukemia. By contrast, B-cell lymphomas other than hairy cell leukemia are ANXA1 negative. Thus, ANXA1 is a molecule specific to hairy cell leukemia that can be used to differentiate this disease from other B-cell lymphomas.

Specifications

Clone: Polyclonal
 Source: Rabbit
 Reactivity: Human, mouse, rat, cow, horse, pig
 Isotype: IgG
 Localization: Cytoplasm, nucleus
 Formulation: 10 mM PBS, pH 7.4 with 10 mg/ml BSA and 0.1% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
 Applications: IHC, ELISA, IF, WB
 Package:

Description	Catalog No.	Size
Annexin A1 Polyclonal Concentrated	RC0315	1 ml

IHC Procedure*

Positive Control Tissue: Cervical epithelial tumor
 Concentrated Dilution: 25-100
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



Human cervical epithelial tumor FFPE tissue stained with anti-Annexin A1 using DAB

References:

- Annexin A1: A new immunohistological marker of cholangiocarcinoma. Hongsrichan N, et al. World J Gastroenterol. 2013 Apr 28;19(16):2456-65.
- Prognostic significance of annexin A1 expression in pancreatic ductal adenocarcinoma. Chen CY, et al. Asian Pac J Cancer Prev. 2012;13(9):4707-12.
- Annexin A1 expression and its prognostic significance in human breast cancer. Wang LP, et al. Neoplasma. 2010;57(3):253-9.
- Multiple cellular mechanisms related to cyclin A1 in prostate cancer invasion and metastasis. Wegiel B, et al. J Natl Cancer Inst. 2008 Jul 16;100(14):1022-36.