

Rabbit Anti-Annexin 14 / Annexin A10 [EPR19507]: RM0205

Intended Use: For Research Use Only

Description: The annexin family of calcium-binding proteins contains several family members that are characterized by a conserved core domain which binds phospholipids in a Ca²⁺-dependent manner, and a unique amino-terminal region which may confer binding specificity. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis, exocytosis and cellular adhesion. Annexin A10, also known as ANX14 or ANXA10, is a 324 amino acid protein that contains four Annexin domains and may be involved in the regulation of cellular growth and signal transduction pathways throughout the cell. The gene encoding Annexin A10 maps to human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes.

Specifications

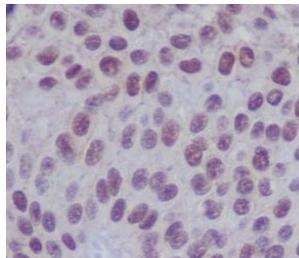
Clone: EPR19507
Source: Rabbit
Isotype: IgG
Localization: Nucleus, some cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, WB
Package:

Description	Catalog No.	Size
Annexin 14/Annexin A10 Concentrated	RM0205	1 ml

IHC Procedure*

Positive Control Tissue: Bladder cancer
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH 9.0 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.



FFPE human bladder cancer stained with anti-Annexin A10 using DAB

References:

1. Annexin A10 optimally differentiates between intrahepatic cholangiocarcinoma and hepatic metastases of pancreatic ductal adenocarcinoma: a comparative study of immunohistochemical markers and panels. Kälisch J, et al. Virchows Arch. May;470(5):537-543, 2017.
2. Annexin A10 expression in colorectal cancers with emphasis on the serrated neoplasia pathway. Bae JM, et al. World J Gastroenterol. Sep 7;21(33):9749-57, 2015.
3. Annexin A10 is a marker for the serrated pathway of colorectal carcinoma. Sajanti SA, et al. Virchows Arch. Jan;466(1):5-12, 2015.

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