

For Research Use Only

Anillin Polyclonal antibody

Catalog Number: 34707-1-AP

1 Publications



Basic Information

Catalog Number: 34707-1-AP	GenBank Accession Number: NM_018685.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 540 ug/ml by Nanodrop;	GeneID (NCBI): 54443	Recommended Dilutions: WB: 1:2000-1:16000 IHC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9NQW6	
Isotype: IgG	Full Name: anillin, actin binding protein	
Immunogen Catalog Number: AG42305	Calculated MW: 124kDa 1124aa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : HEK-293 cells, HeLa cells, MCF-7 cells, SW 1990 cells
Species Specificity: human	IHC : human tonsillitis tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Anillin, an actin-binding protein, is a conserved cleavage furrow component important for cytokinesis. The human anillin protein localizes to the nucleus during interphase, the cortex following nuclear envelope breakdown, and the cleavage furrow during cytokinesis. It interacts with at least two other furrow proteins, actin and the septins through its C-terminal PH domain and N-terminal actin-binding domain. In anillin knockdown cells, the cleavage furrow ingressed but failed to complete the ingression. Anillin has been found to be overexpressed in tumors and may serve as promising marker for pancreatic carcinoma molecular diagnostics as well as a prognostic indicator for non-small cell lung cancers. Consistent with the literature, the apparent molecular mass of Anillin detected by Western blot was 150-180 kDa (PMID: 10931866, 28081137).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinyi Luo	42278217	Int J Mol Sci	WB,IHC

Storage

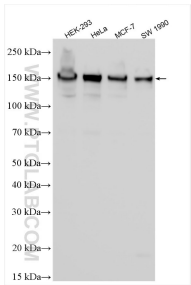
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

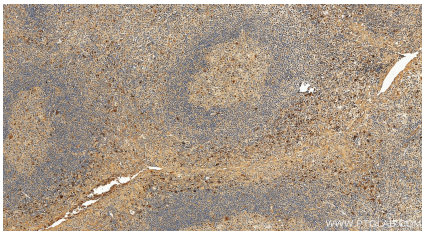
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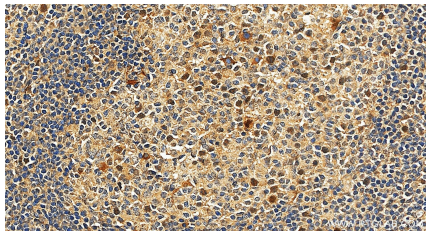
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34707-1-AP (Anillin antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 34707-1-AP (Anillin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 34707-1-AP (Anillin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).