

Napsin A Polyclonal antibody

Catalog Number: 16558-1-AP

Basic Information

Catalog Number: 16558-1-AP	GenBank Accession Number: BC017842	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9476	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: napsin A aspartic peptidase	
Isotype: IgG	Calculated MW: 420 aa, 45 kDa	
Immunogen Catalog Number: AG9786	Observed MW: 45-55 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse lung tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human lung cancer tissue,
	IF : PC-3 cells,

Background Information

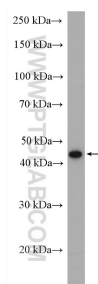
Napsin is found in two isoforms, napsin A and B, with highly homologous nucleotide sequences (91.2%). Napsin A appears to be a functional proteinase, predominantly expressed in lung and kidney. Napsin B is transcribed exclusively in cells related to the immune system and lacks an in-frame stop codon and is believed to be a pseudogene.(PMID:12698189). Napsin A is superior to TTF-1 in distinguishing primary lung ACA from other carcinomas (except kidney), particularly primary lung small cell carcinoma, and primary thyroid carcinoma. (PMID:22288963).

Storage

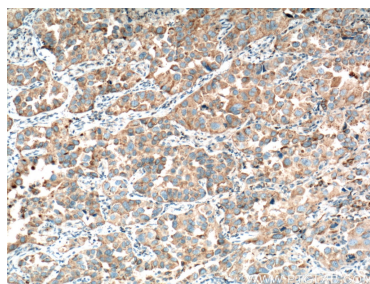
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

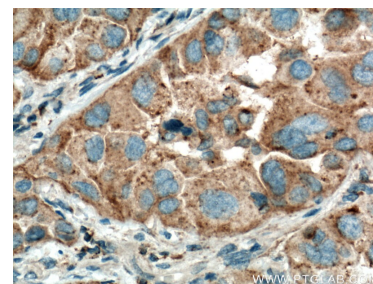
Selected Validation Data



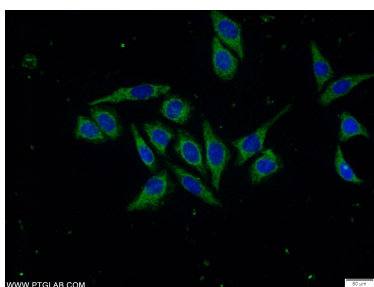
mouse lung tissue were subjected to SDS PAGE followed by western blot with 16558-1-AP (Napsin A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 16558-1-AP (Napsin A antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 16558-1-AP (Napsin A antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of PC-3 cells using 16558-1-AP (Napsin A antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).