

For Research Use Only

# CoraLite® Plus 488-conjugated Napsin A Recombinant monoclonal antibody

Catalog Number:CL488-86052-4



## Basic Information

|                                                                |                                                  |                                                                   |
|----------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CL488-86052-4                        | <b>GenBank Accession Number:</b><br>BC017842     | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>9476                    | <b>CloneNo.:</b><br>242433C10                                     |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>O96009                     | <b>Recommended Dilutions:</b><br>IF/ICC: 1:50-1:500               |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>napsin A aspartic peptidase | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG9721                     | <b>Calculated MW:</b><br>420 aa, 45 kDa          |                                                                   |
|                                                                | <b>Observed MW:</b><br>40-45 kDa                 |                                                                   |

## Applications

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| <b>Tested Applications:</b><br>IF/ICC | <b>Positive Controls:</b><br>IF/ICC : A549 cells, |
| <b>Species Specificity:</b><br>human  |                                                   |

## 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).

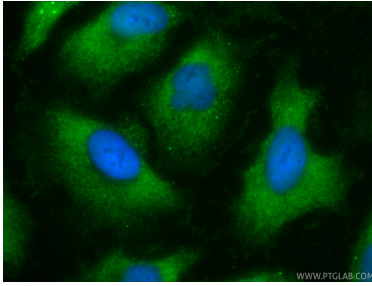
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using CoraLite® Plus 488 Napsin A antibody (CL488-86052-4, Clone: 242433C10 ) at dilution of 1:200.