

For Research Use Only

# CoraLite® Plus 488-conjugated Napsin A Monoclonal antibody

Catalog Number: CL488-60259



## Basic Information

<b>Catalog Number:</b> CL488-60259	<b>GenBank Accession Number:</b> BC017842	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9476	<b>CloneNo.:</b> 1H7F2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O96009	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> napsin A aspartic peptidase	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG9721	<b>Calculated MW:</b> 420 aa, 45 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HUVEC cells,
<b>Species Specificity:</b> 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).

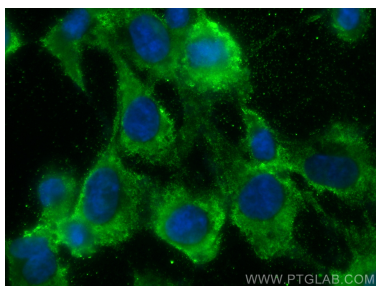
## Storage

**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, pH 7.3.  
**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)  
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W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol)  
fixed HUVEC cells using Coralite® Plus 488 Napsin  
A antibody (CL488-60259, Clone: 1H7F2 ) at  
dilution of 1:200.