

For Research Use Only

# Napsin A Monoclonal antibody

Catalog Number: 60259-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60259-1-Ig	<b>GenBank Accession Number:</b> BC017842	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 680 µg/ml	<b>GeneID (NCBI):</b> 9476	<b>CloneNo.:</b> 2D12A2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O96009	
<b>Isotype:</b> IgG1	<b>Full Name:</b> napsin A aspartic peptidase	
<b>Immunogen Catalog Number:</b> AG9721	<b>Calculated MW:</b> 420 aa, 45 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IHC

**Species Specificity:**  
human, rat, mouse

**Cited Species:**  
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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jupeng Yuan	25945838	Oncotarget	IHC

## 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

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data