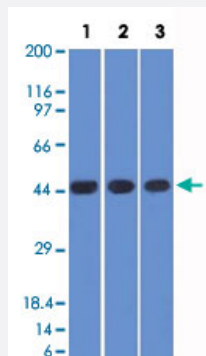


# NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239

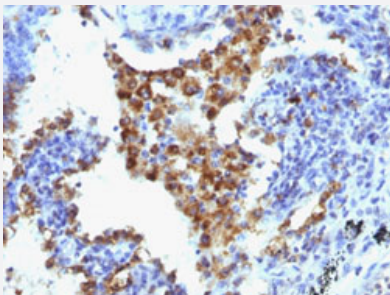
Catalog # MAB15062      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Lane 1: K562, Lane 2: HEK293 and Lane 3: A549 cell lysates with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung adenocarcinoma with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human NAPSA.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 189-299 of human NAPSA.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	37
<b>Reactivity</b>	Human
<b>Form</b>	Liquid

<b>Purification</b>	Protein A purification
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blotting (1-2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: K562, Lane 2: HEK293 and Lane 3: A549 cell lysates with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung adenocarcinoma with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).

- Immunofluorescence

- Flow Cytometry

## Gene Info — NAPSA

<b>Entrez GeneID</b>	<a href="#">9476</a>
<b>Protein Accession#</b>	<a href="#">O96009</a>
<b>Gene Name</b>	NAPSA
<b>Gene Alias</b>	KAP, Kdap, NAP1, NAPA, SNAPA
<b>Gene Description</b>	napsin A aspartic peptidase
<b>Omim ID</b>	<a href="#">605631</a>

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The activation peptides of aspartic proteinases plays role as inhibitors of the active site. These peptide segments, or pro-parts, are deemed important for correct folding, targeting, and control of the activation of aspartic proteinase zymogens. The pronapsin A gene is expressed predominantly in lung and kidney. Its translation product is predicted to be a fully functional, glycosylated aspartic proteinase precursor containing an RGD motif and an additional 18 residues at its C-terminus. [provided by RefSeq]

## Other Designations

napsin A|pronapsin A

## Publication Reference

- [Napsin A expression in lung and kidney neoplasia: a review and update.](#)

Nelson G Ordonez.

Advances in Anatomic Pathology 2012 Jan; 19(1):66.

Application: IHC-P, Human, Human lung adenocarcinomas, Human renal cell carcinomas

- [Combination of napsin A and TTF-1 immunohistochemistry helps in differentiating primary lung adenocarcinoma from metastatic carcinoma in the lung.](#)

Jiqing Ye, Jennifer J Findeis-Hosey, Qi Yang, Lorelee A McMahon, Jorge L Yao, Faqian Li, Haodong Xu.

Applied Immunohistochemistry &amp; Molecular Morphology 2011 Jul; 19(4):313.

Application: IHC-P, Human, Human lung adenocarcinoma, Human renal cell carcinomas, Human tissue microarray

- [Napsin A and thyroid transcription factor-1 expression in carcinomas of the lung, breast, pancreas, colon, kidney, thyroid, and malignant mesothelioma.](#)

Justin A Bishop, Rajni Sharma, Peter B Illei.

Human Pathology 2010 Jan; 41(1):20.

Application: IHC-P, Human, Human tissue microarray

## Pathway

- [Lysosome](#)