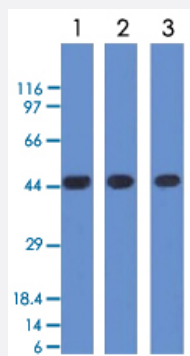


# NAPSA monoclonal antibody, clone NAPSA/1238

Catalog # MAB14708      Size 100 ug

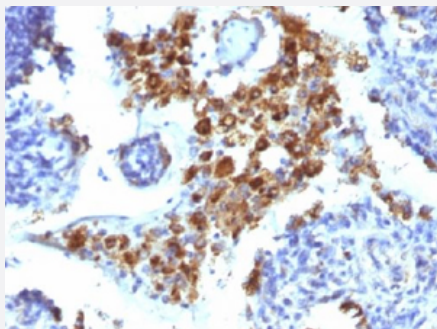
## Applications



### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with NAPSA monoclonal antibody, clone NAPSA/1238 (Cat # MAB14708):

1. K562 cell line
2. HEK293 cell line
3. A549 cell line



### 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 (Cat # MAB14708).

## Specification

|                            |   |
|----------------------------|---|
| <b>Product Description</b> | Mouse monoclonal antibody raised against partial recombinant human NAPSA.                                       |
| <b>Immunogen</b>           | Recombinant protein corresponding to around amino acids 189-299 of human NAPSA (exact sequence is proprietary). |
| <b>Host</b>                | Mouse   |
| <b>Reactivity</b>          | Human   |
| <b>Form</b>                | Liquid  |
| <b>Purification</b>        | Protein A purification  |

|                     |   |
|---------------------|---|
| Isotype             | IgG1, kappa   |
| Recommend Usage     | Flow Cytometry (0.5-1 ug/million cells)<br>Immunofluorescence (1-2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Western Blot (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In 10 mM PBS.   |
| Storage Instruction | Store at -20 to -80°C.<br>Aliquot to avoid repeated freezing and thawing.   |

## Applications

- Western Blot (Cell lysate)

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- Immunofluorescence

- Flow Cytometry

## Gene Info — NAPSA

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

## 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, Loralee A McMahon, Jorge L Yao, Faqian Li, Haodong Xu.

Applied Immunohistochemistry & 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](#)