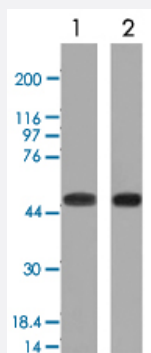


# NAPSA monoclonal antibody, clone NAPSA/1239

Catalog # MAB14709

Size 100 ug

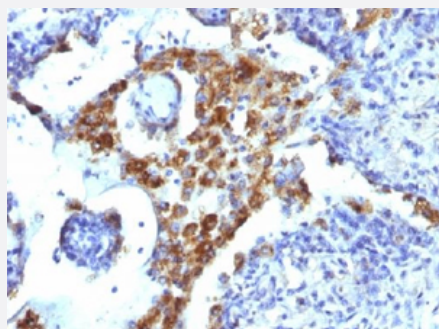
## Applications



### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with NAPSA monoclonal antibody, clone NAPSA/1239 (Cat # MAB14709):

1. K562 cell line
2. HEK293 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/1239 (Cat # MAB14709).

## Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human NAPSA.
Immunogen	Recombinant protein corresponding to human NAPSA.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Isotype	IgG, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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](#)