

# Napsin A (Lung Adenocarcinoma Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone NAPSA/1239 ]

Catalog # AH12717

## Product Information

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<b>Application</b>	WB, IHC, IF, FC
<b>Primary Accession</b>	<a href="#">O96009</a>
<b>Other Accession</b>	<a href="#">9476</a> , <a href="#">512843</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG, kappa
<b>Clone Names</b>	NAPSA/1239
<b>Calculated MW</b>	45387

## Additional Information

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<b>Gene ID</b>	9476
<b>Other Names</b>	Napsin-A, 3.4.23.-, Aspartyl protease 4, ASP4, Asp 4, Napsin-1, TA01/TA02, NAPSA, NAP1, NAPA
<b>Application Note</b>	WB~~1:1000 IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	Napsin A (Lung Adenocarcinoma Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NAPSA
<b>Synonyms</b>	NAP1, NAPA
<b>Function</b>	May be involved in processing of pneumocyte surfactant precursors.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes

## Background

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Napsin is a pepsin-like aspartic proteinase connected with maturation of surfactant protein B. There are two closely related napsins, napsin A and napsin B. Napsin A is expressed as a single chain protein. Immunohistochemical studies revealed high expression levels of napsin A in human lung and kidney but low expression in spleen. Napsin A is expressed in type II pneumocytes and in adenocarcinomas of lung. The high specificity expression of napsin A in adenocarcinomas of lung is useful to distinguish primary lung adenocarcinomas from adenocarcinomas of other organs.

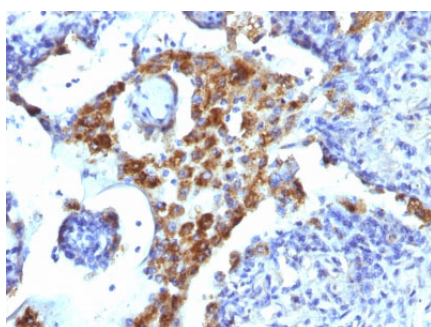
## References

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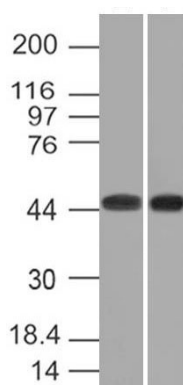
Bishop, JA et. al. Hum Pathol 41: 20-25 | Ordonez, NG 2012 Adv Anat Pathol 19: 66-73 | Ye, J et. al. Appl Immunohistochem Mol Morphol 19: 313-31

## Images

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Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin-A Monoclonal Antibody (NAPSA/1239).



Western Blot of K562 and HEK293 Cell Lysates using Napsin-A Monoclonal Antibody (NAPSA/1239)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.