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NAPSA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13772b

Specification

NAPSA Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	O96009
Other Accession	NP_004842.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45387**
Antigen Region	**368-397**

NAPSA Antibody (C-term) - Additional Information

Gene ID 9476

Other Names
Napsin-A, 3423-, Aspartyl protease 4, ASP4, Asp 4, Napsin-1, TA01/TA02, NAPSA, NAP1, NAPA

Target/Specificity
This NAPSA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 368-397 amino acids from the C-terminal region of human NAPSA.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NAPSA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NAPSA Antibody (C-term) - Protein Information

Name NAPSA

Synonyms NAP1, NAPA

Function May be involved in processing of pneumocyte surfactant precursors.

Cellular Location
Secreted.

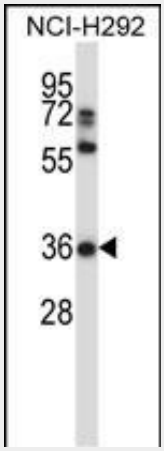
Tissue Location
Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes

NAPSA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NAPSA Antibody (C-term) - Images



NAPSA Antibody (C-term) (Cat. #AP13772b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the NAPSA antibody detected the NAPSA protein (arrow).

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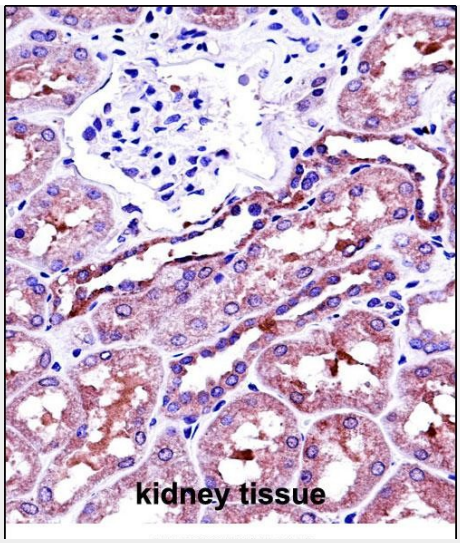

NAPSA Antibody (C-term) (Cat. #AP13772b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NAPSA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

NAPSA Antibody (C-term) - Background

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].

NAPSA Antibody (C-term) - References

Bishop, J.A., et al. Hum. Pathol. 41(1):20-25(2010)
Woischnik, M., et al. Eur. Respir. J. 31(6):1197-1204(2008)
Ueno, T., et al. Lab. Invest. 88(3):256-263(2008)
Innocenti, M., et al. Nat. Cell Biol. 6(4):319-327(2004)
Brasch, F., et al. J. Biol. Chem. 278(49):49006-49014(2003)