

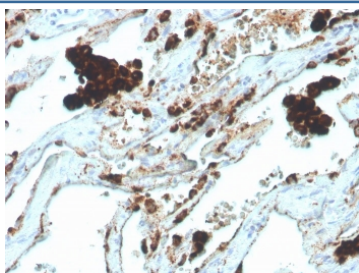
Recombinant Napsin A Antibody [clone NAPSA/4400R] (V8740)

Catalog No.	Formulation	Size
V8740-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8740-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8740SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

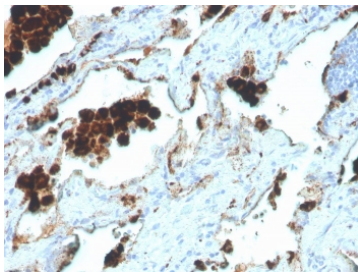
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	NAPSA/4400R
Purity	Protein A affinity chromatography
UniProt	O96009
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This recombinant Napsin A antibody is available for research use only.



IHC staining of FFPE human lung adenocarcinoma with recombinant Napsin A antibody (clone NAPSA/4400R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

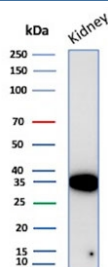


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Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant Napsin A antibody (clone NAPSA/4400R). These results demonstrate the foremost specificity of the NAPSA/4400R mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



Western blot testing of human kidney tissue lysate with recombinant Napsin A antibody (clone NAPSA/4400R). Expected molecular weight: 38-45 kDa depending on glycosylation level.

Description

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.

Application Notes

Optimal dilution of the recombinant Napsin A antibody should be determined by the researcher.

Immunogen

A portion of amino acids 50-150 from the human protein was used as the immunogen for the recombinant Napsin A antibody.

Storage

Store the recombinant Napsin A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

