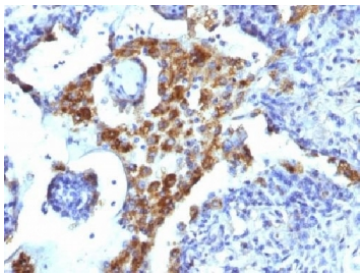
Napsin A Antibody [clone NAPSA/1239] (V2996)

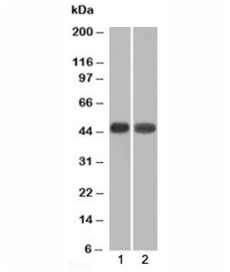
Catalog No.	Formulation	Size
V2996-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2996-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2996SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2996IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

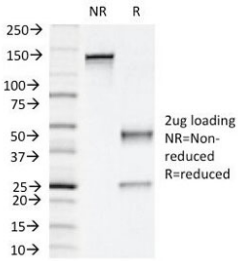
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NAPSA/1239
Purity	Protein G affinity chromatography
UniProt	O96009
Localization	Cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml for 60 min at RT Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Napsin A antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human lung adenocarcinoma stained with Napsin-A antibody (NAPSA/1239).



Western blot of 1) K562 and 2) HEK293 cell lysates using Napsin-A antibody (NAPSA/1239). Predicted molecular weight ~45 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Napsin A Antibody (clone NAPSA/1239). Confirmation of Integrity and Purity of the Antibody.

Description

Napsin-A is a protein that in humans is encoded by the NAPSA gene. 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. [Wiki]

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A recombinant fragment from the human protein (amino acids 189-299) was used as the immunogen for the Napsin A antibody.

Storage

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