

Datasheet for ABIN6941161
anti-NAPSA antibody (AA 189-299)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	NAPSA
Binding Specificity:	AA 189-299
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NAPSA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Napsin-A protein fragment (around aa189-299) (exact sequence is proprietary)
Clone:	NAPSA-1238
Isotype:	IgG1 kappa

Target Details

Target:	NAPSA
Alternative Name:	NAPSA (NAPSA Products)
Background:	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

Target Details

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.

Molecular Weight: 37kDa

Gene ID: 9476

UniProt: [O96009](#)

Pathways: [Tube Formation](#), [Asymmetric Protein Localization](#), [Embryonic Body Morphogenesis](#)

Application Details

Application Notes: Positive Control: Lung adenocarcinoma.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL for 60 minutes at RT), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

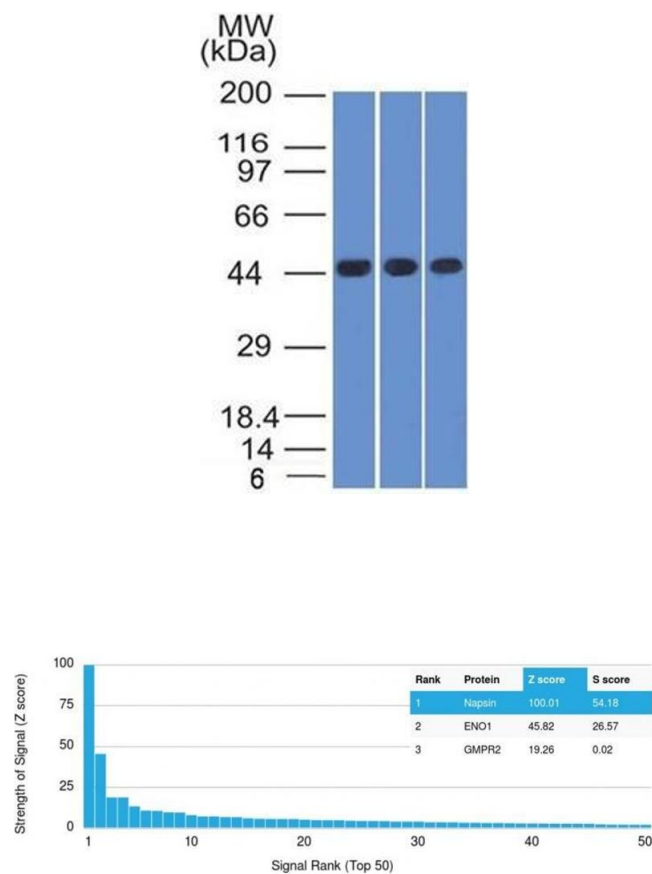
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

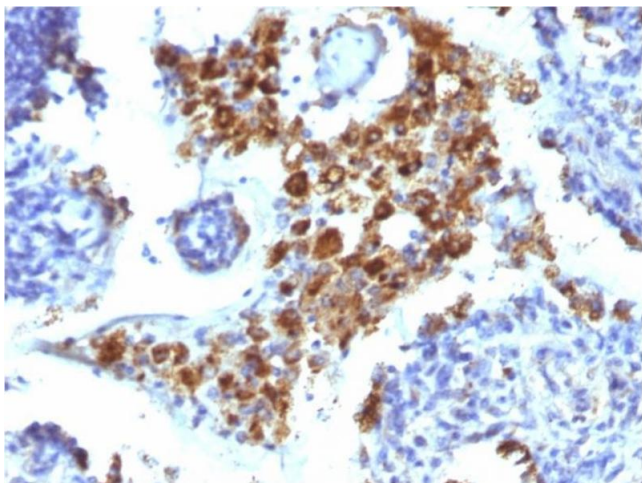


Western Blotting

Image 1. Western Blot of K562, HEK293 and A549 cell lysates Using Napsin A Mouse Monoclonal Antibody (NAPSA/1238).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Napsin A Mouse Monoclonal Antibody (NAPSA/1238). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin A Mouse Monoclonal Antibody (NAPSA/1238).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941161.