

Datasheet for ABIN6941160
anti-NAPSA antibody (AA 189-299)[Go to Product page](#)

3 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:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Napsin A protein fragment (aa189-299) (exact sequence is proprietary)
Clone:	NAPSA-3309
Isotype:	IgG2b 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 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

Target Details

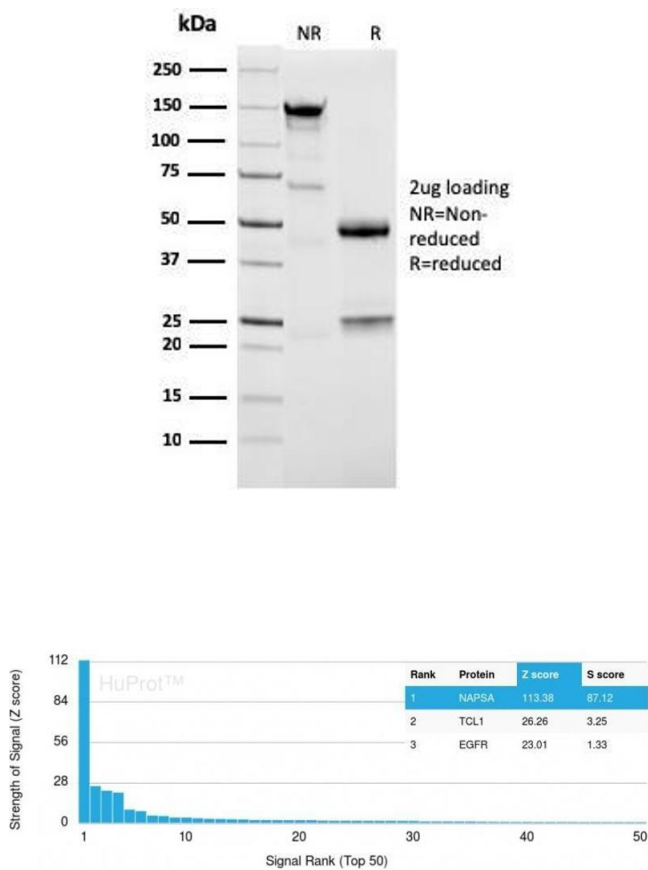
	pneumocytes and in adenocarcinomas of lung. The high specificity expression of napsin A in adenocarcinomas of lung is useful to distinguish primary lung adenocarcinomas from adenocarcinomas of other organs.
Molecular Weight:	37kDa
Gene ID:	9476
UniProt:	O96009
Pathways:	Tube Formation , Asymmetric Protein Localization , Embryonic Body Morphogenesis

Application Details

Application Notes:	Positive Control: Lung adenocarcinoma. Known Application: 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

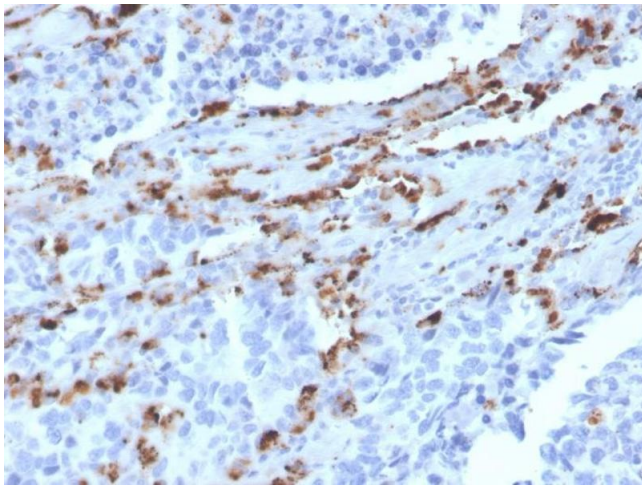


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Napsin A Mouse Monoclonal Antibody (NAPSA/3309). Confirmation of Purity and Integrity of Antibody

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Napsin A Mouse Monoclonal Antibody (NAPSA/3309). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (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 (SDs) 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 SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody 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/3309).