

Product datasheet

Anti-NAPSIN A antibody [EPR6257] ab129189

Recombinant RabMAb

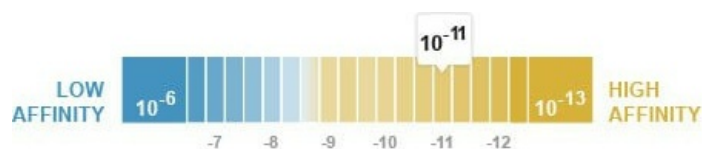
6 Images

Overview

Product name	Anti-NAPSIN A antibody [EPR6257]
Description	Rabbit monoclonal [EPR6257] to NAPSIN A
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human NAPSIN A aa 50-150. The exact sequence is proprietary.
Positive control	WB: Human lung adenocarcinoma lysate. IHC-P: Human lung tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 6.17 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6257
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129189 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

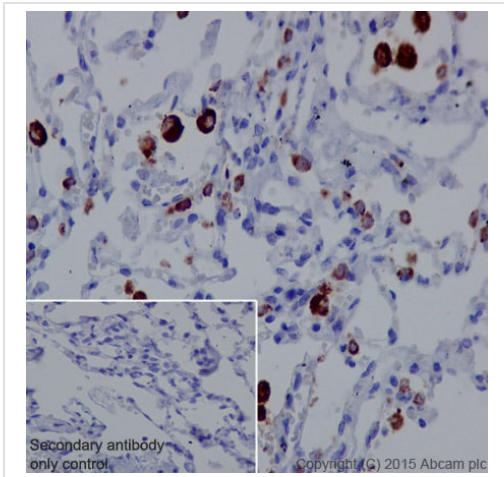
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 45 kDa).
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

Application notes Is unsuitable for ICC/IF.

Target

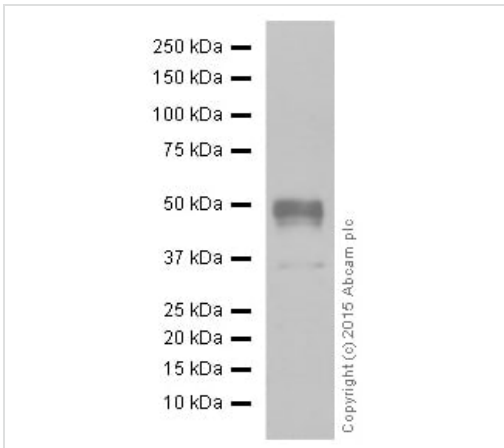
Function	May be involved in processing of pneumocyte surfactant precursors.
Tissue specificity	Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes.
Sequence similarities	Belongs to the peptidase A1 family.
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NAPSIN A antibody [EPR6257] (ab129189)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung tissue labelling NAPSIN A with purified ab129189 at a dilution of 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Western blot - Anti-NAPSIN A antibody [EPR6257] (ab129189)

Anti-NAPSIN A antibody [EPR6257] (ab129189) at 1/5000 dilution (purified) + Human lung adenocarcinoma tissue lysate at 20 µg

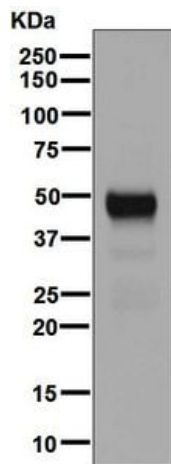
Secondary

HRP-conjugated goat anti-rabbit IgG (specific to the non-reduced form of IgG) at 1/1000 dilution

Predicted band size: 45 kDa

Observed band size: 50 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



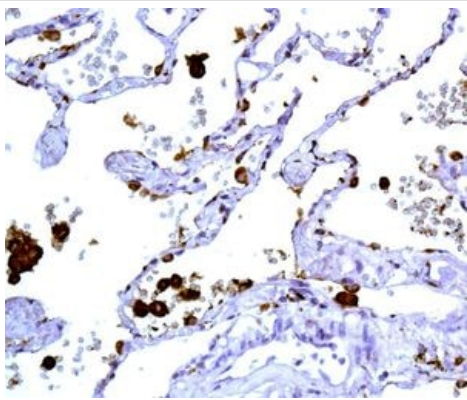
Western blot - Anti-NAPSIN A antibody [EPR6257]
(ab129189)

Anti-NAPSIN A antibody [EPR6257] (ab129189) at 1/1000 dilution
(unpurified) + Human lung adenocarcinoma lysate at 10 μ g

Secondary

HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

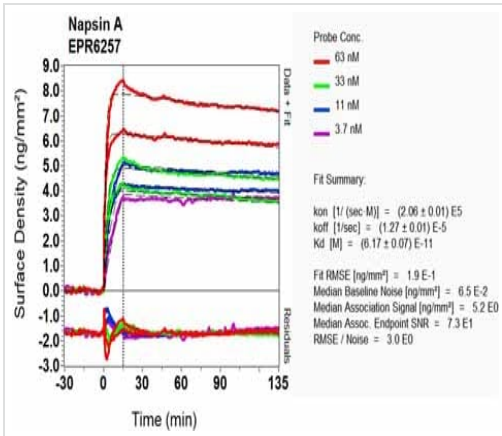
Predicted band size: 45 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-NAPSIN A antibody
[EPR6257] (ab129189)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded
sections) analysis of human lung tissue labelling NAPSIN A with
unpurified ab129189 at a dilution of 1/100.

Perform heat mediated antigen retrieval before commencing with
IHC staining protocol.



OI-RD Scanning - Anti-NAPSIN A antibody
[EPR6257] (ab129189)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-NAPSIN A antibody [EPR6257] (ab129189)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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