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## 12-1221: Anti-Napsin A (Lung Adenocarcinoma Marker) Recombinant Mouse Monoclonal Antibody (Clone:rNAPSA/1239)

Clonality: Monoclonal **Clone Name:** rNAPSA/1239

Application: IHC Reactivity: Human Gene: NAPSA Gene ID: 9476 **Uniprot ID:** 096009 Format: Purified

ASP4, Aspartyl protease 4, KAP, Kidney derived aspartic protease like protein (Kdap), NAP1, **Alternative Name:** 

NAPA, Napsa, napsin A aspartic peptidase, Pronapsin A, SNAPA

Isotype: Mouse IgG1, kappa

Recombinant fragment of human Napsin-A protein (aa 189-299) (exact sequence is Immunogen Information:

proprietary)

## **Description**

Napsin is a pepsin-like aspartic proteinaseconnected 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.

## **Product Info**

Amount: 20 μg / 100 μg **Purification:** Protein A/G

200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & Content:

0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



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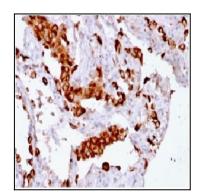


Figure 1: Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin A Mouse Recombinant Monoclonal Antibody (rNAPSA/1239).

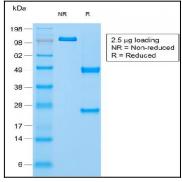


Figure 2: SDS-PAGE Analysis Purified Napsin A Mouse Monoclonal Antibody (rNAPSA/1239).