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## 36-3600: Anti-Napsin A (Lung Adenocarcinoma Marker) Monoclonal Antibody(Clone: NAPSA/1239)

Clone Name: Monoclonal

Clone Name: NAPSA/1239

Application: FACS,IF,WB,IHC

Reactivity: Human
Gene: NAPSA
Gene ID: 9476
Uniprot ID: 096009

Alternative Name:

ASP4, Aspartyl protease 4, KAP, Kidney derived aspartic protease like protein (Kdap), NAP1,

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

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant human Napsin-A protein fragment (aa189-299) (exact sequence is proprietary)

## **Description**

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 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

Content: 200 µg/ml of Ab Purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05%

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

Storage condition:

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.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Western Blot (1-2ug/ml for 60 minutes at RT); ,Immunohistochemistry (Formalin-fixed) (1-2ug/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&degC followed by cooling at RT for 20 minutes);

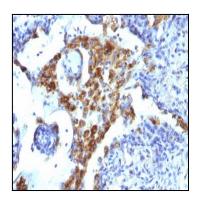


Fig. 1: Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin A Mouse Monoclonal Antibody (NAPSA/1239).



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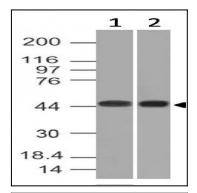


Fig. 2: Western Blot of K562 and HEK293 cell lysates using Napsin A Mouse Monoclonal Antibody (NAPSA/1239).

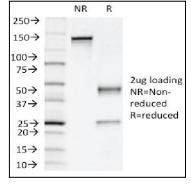


Fig. 3: SDS-PAGE Analysis Purified Napsin A Mouse Monoclonal Antibody (NAPSA/1239). Confirmation of Purity and Integrity of Antibody