9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3601: Anti-Napsin A (Lung Adenocarcinoma Marker) Monoclonal Antibody(Clone: NAPSA/1238 + NAPSA/1239)

Clonality :	Monoclonal
Clone Name :	NAPSA/1238 + NAPSA/1239
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	NAPSA
Gene ID :	9476
Uniprot ID :	O96009
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 IgG, 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);

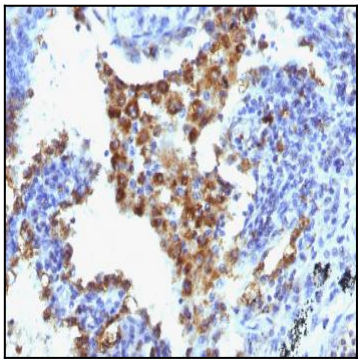


Fig. 1: Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin-A Monoclonal Antibody (NAPSA/1238 + NAPSA/1239).

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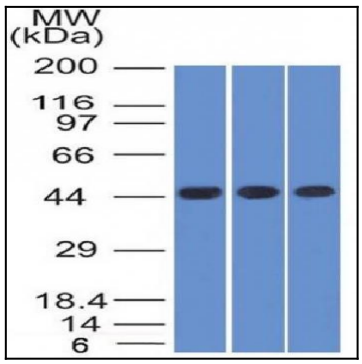


Fig. 2: Western Blot of K562, HEK293 andA549 cell lysates Using Napsin-A Monoclonal Antibody (NAPSA/1238 + NAPSA/1239)

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