

Napsin A

Instructions for Use

Specification:

Napsin is a pepsin-like aspartic proteinase, in the A1 clan of the AA clade of proteinases. There are two closely related napsins, Napsin A and Napsin B. Napsin A is expressed as a single chain protein with the molecular weight of approximately 38 kDa. 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.

Availability:

Catalog No.	Contents	Volume
ILP3523-C01	Napsin A	0,1 ml concentrate
ILP3523-C05	Napsin A	0,5 ml concentrate
ILP3523-C1	Napsin A	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: -

Species of origin: Rabbit

Isotype: -

Control Tissue: Lung adenocarcinoma, kidney

Staining: Cytoplasmic

Presentation: Anti-Napsin A is a rabbit polyclonal antibody purified from rabbit anti-sera diluted in tris buffered saline, pH 7.3-7.7, with protein base, and preserved with sodium azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:500)
- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:100-1:500)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilute the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Tatnell PJ, Powell DJ, et al, FEBS Lett.1998.441:43-48.
- 2) Schauer-Vukasinovic V, Bur D, et al, FEBS Lett. 1999 Nov 26; 462(1-2):135-9.
- 3) Takashi Hirano, Gert Auer, et al, Jpn. J. Cancer Res. 2000 Oct.91,1015-1021
- 4) Annika Dejmek, Pontus Naucner, et al, Diagnostic Cytopathology, Vol 35, No. 8; pp. 493-7