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## 10-7568: Monoclonal Antibody to Napsin A (Clone: ABM4H60)

Clonality: Monoclonal **Clone Name:** ABM4H60 IHC.WB Application: Reactivity: Human Gene: **NAPSA** Gene ID: 9476 **Uniprot ID:** 096009 **Purified** Format:

Alternative Name: NAPSA,NAP1,NAPA Isotype: Mouse IgG1 Kappa

Immunogen Information: A partial length recombinant Napsin protein (amino acids 150-350) was used as the

immunogen for this antibody

## **Description**

Napsin A, a human aspartic proteinase is found primarily in type II pneumocytes and alveolar macrophages and predominantly expressed in lung and kidney. It is a reliable marker for pulmonary adenocarcinoma and is expressed in a subset of ovarian clear cell carcinomas (O-CCCs), endometrial (EM) CCCs, and endometrioid carcinomas (EC). It is also useful in evaluating SH (Sclerosing hemangiomas) (23194051). Napsin A acts as an anti-apoptotic protein that promotes resistance to cisplatin by degradation of the tumor suppressor p53, which is regulator of the cell cycle and co-works with cyclin kinase inhibitors as p21 and p27.

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

**Purification:** Protein G Chromatography

Content: 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 μg/ml; Immunohistochemical analysis: 5-10 μg/ml



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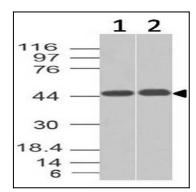


Fig-1: Western blot analysis of Napsin A. Anti-Napsin A antibody (Clone: ABM4H60) was tested at 2  $\mu$ g/ml on (1) A549 and (2) HepG2 lysates.

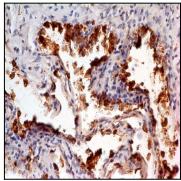


Fig-2: Immunohistochemical analysis of Napsin in Lung Adenocarcinoma tissue using Napsin antibody (Clone: ABM4H60) at 5  $\mu$ g/ml.