

## Monoclonal Mouse Antibody to Human Napsin A

<b>Catalog No.:</b>	Mob 463, Mob 463-05
<b>Applications:</b>	Analyte Specific Reagent. Analytical and Performance characteristics are not established. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	BALB/C mice were injected with synthetic peptide from N terminus of human napsin A
<b>Clone:</b>	KCG1.1
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	Napsin is found in two isoforms, A and B, with highly homologous gene sequences. Napsin A has a molecular weight of 35.0 kDa and is also known as TA02. Napsin A is an aspartic proteinase which is expressed in the lung and involved in processing surfactant protein B (SP-B). It is also expressed in the kidney. This antibody may be a useful tool as a tumor marker for primary lung adenocarcinoma. Napsin expression correlates with the differentiation grade of lung adenocarcinoma.
<b>Positive Control:</b>	Lung Adenocarcinoma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Chuman et al. FEBS Lett 462: 129, 1999. ii) Dejmek et al. Diag Cytopathol 35: 493, 2007. iii). Hirano et al. Lung Cancer 41(2): 155, 2003. iv) Ueno et al. Br. J. Cancer 88: 1229, 2003.

### IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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