

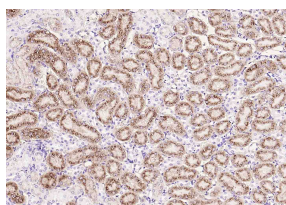
**bsm-34153M****[ Primary Antibody ]****NAPSIN A Mouse mAb****BioSS**  
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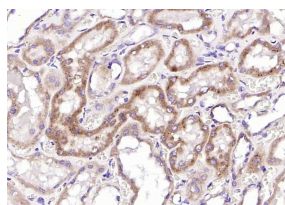
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**— DATASHEET —****Host:** Mouse**Isotype:** IgG1, Kappa**Clonality:** Monoclonal**CloneNo.:** 10A12**Target:** NAPSIN A**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Proclin300.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** Napsin A is an aspartic proteinase that belongs to the peptidase A1 family and plays a role in pneumocyte surfactant processing. It is a 420-amino acid polypeptide consisting of a 24-residue signal peptide, a 40-amino acid propeptide, the mature enzyme of 336 amino acids, and a C-terminal extension of 18 residues. The mature Napsin A protein contains 3 predicted disulfide bonds, 3 potential N-linked oligosaccharide attachment sites, an RGD motif, a recognition motif for integrin binding, in the C terminus, immediately before a 4-amino acid insert that is unique to aspartic proteinases. Highest levels of Napsin A have been detected in adult lung (type II pneumocytes), fetal lung, and kidney tissues. Napsin A is also expressed at lower levels in adult spleen and at very low levels in peripheral blood leukocytes. Human napsin A shares 72.6% sequence identity with the mouse homolog.**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:50-200)**Reactivity:** Human, Mouse, Rat**Predicted**  
**MW.:** 39 kDa**Subcellular**  
**Location:** Secreted**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NAPSIN A) Monoclonal Antibody, Unconjugated (bsm-34153M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NAPSIN A) Monoclonal Antibody, Unconjugated (bsm-34153M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.