



# Napsin A mouse mAb(ABT-ASP4)

|                           |                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-15454                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>       | IHC;IF                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>          | NAPSA NAP1 NAPA                                                                                                                                                                                                                                                                                                               |
| <b>Protein Name</b>       | Napsin A                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>          | Synthesized peptide derived from human Napsin A                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>        | This antibody detects endogenous levels of human Napsin A. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH9.0 was highly recommended as antigen repair method in paraffin section                                                                                                                                       |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                       |
| <b>Source</b>             | Mouse, Monoclonal/IgG1, Kappa                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                    |
| <b>Dilution</b>           | IHC-p 1:100-500. IF 1:50-200                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>           | Napsin-A (EC 3.4.23.-;Aspartyl protease 4;ASP4;Asp 4;Napsin-1;TA01/TA02)                                                                                                                                                                                                                                                      |
| <b>Observed Band</b>      |                                                                                                                                                                                                                                                                                                                               |
| <b>Cell Pathway</b>       | Secreted .                                                                                                                                                                                                                                                                                                                    |
| <b>Tissue Specificity</b> | Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes.                                                                                                                                                      |
| <b>Function</b>           | function:May be involved in processing of pneumocyte surfactant precursors.,similarity:Belongs to the peptidase A1 family.,tissue specificity:Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes.,       |
| <b>Background</b>         | This gene encodes a member of the peptidase A1 family of aspartic proteases. The encoded preproprotein is proteolytically processed to generate an activation peptide and the mature protease. The activation peptides of aspartic proteinases function as inhibitors of the protease active site. These peptide segments, or |

**Nanjing BYabscience technology Co.,Ltd**



pro-parts, are deemed important for correct folding, targeting, and control of the activation of aspartic proteinase zymogens. The encoded protease may play a role in the proteolytic processing of pulmonary surfactant protein B in the lung and may function in protein catabolism in the renal proximal tubules. This gene has been described as a marker for lung adenocarcinoma and renal cell carcinoma. [provided by RefSeq, Feb 2016],

**matters needing attention**

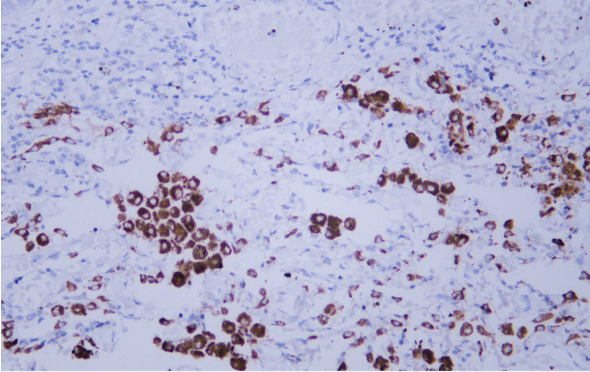
Avoid repeated freezing and thawing!

**Usage suggestions**

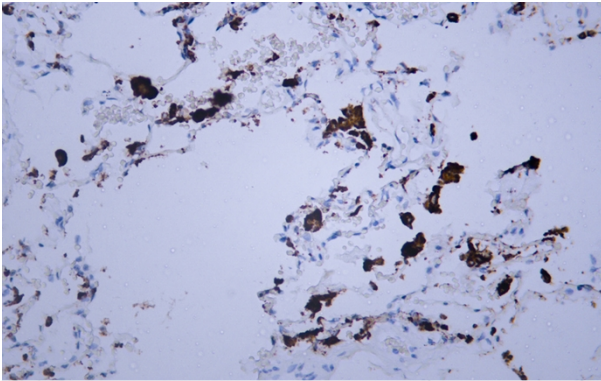
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



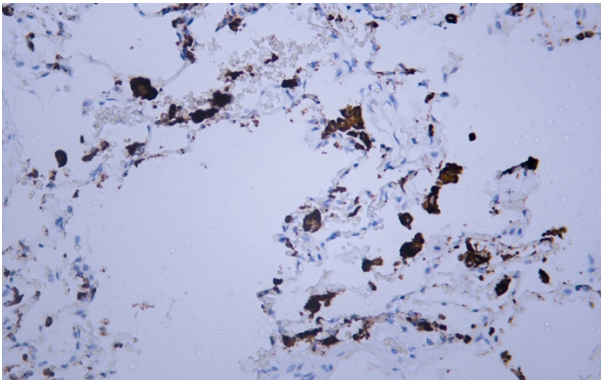
## Products Images



Human lung adenocarcinoma tissue was stained with Anti-Napsin A (ABT-ASP4) Antibody



Human lung adenocarcinoma tissue was stained with Anti-Napsin A (ABT-ASP4) Antibody



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