Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2019/1/30

Napsin A
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50078
Clone# BP6083

Predicted Molecular Wt:	45kDa	**Purity:**	ProA affinity purified IgG
Species Cross-reactivity:	Human	**Form:**	Liquid
Applications:	IHC-P	**Swissprot ID:**	O96009

Background:

Napsin A is a pepsin-like aspartic proteinase contains 420 amino acids. It is predominantly expressed in the lung and kidney. In the lung, Napsin A is expressed in alveolar type II pneumocytes, regulated by TTF-1, and is involved in the generation of the surfactant protein B. Intra-alveolar macrophages contain Napsin A as a result of phagocytosis. In the kidney, Napsin A is expressed in the proximal tubules, where it is involved in lysosomal protein catabolism.

Napsin A is important in the differential diagnosis of lung adenocarcinoma vs. squamous cell carcinoma, used in a panel with TTF-1, CK5 and p63. For tumours presenting as adenocarcinoma of unknown origin, the identification of a lung origin may be aided by NapA together with TTF1, and renal origin by NapA together with PAX8.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues within aa50-150 of Napsin A was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

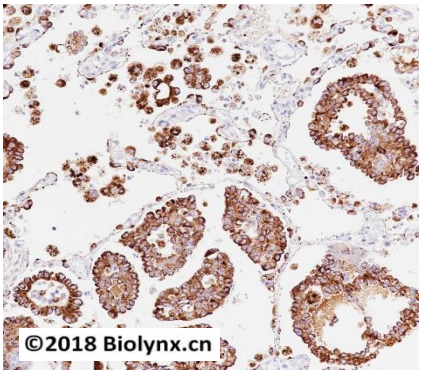
-20°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of lung adenocarcinoma labelling Napsin A with BP6083. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Background References:

1. Agackiran Y, Ozcan A, Akyurek N, Memis L. Appl Immunohistochem Mol Morphol. 2012 Jul;20(4):350-5.
2. Chernock RD, El-Mofty SK, Becker N, Lewis JS Jr. Am J Surg Pathol. 2013 May 15.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.