

Store at
-20C
#62434**Napsin A (D5P6G) XP[®] Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 31	Source/Isotype: Rabbit IgG	UniProt ID: #O96009	Entrez-Gene Id: 9476
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Product Usage Information**Application**

Western Blotting
Immunohistochemistry (Paraffin)

Dilution

1:1000
1:200

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Napsin A (D5P6G) XP[®] Rabbit mAb recognizes endogenous levels of total napsin A protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human napsin A protein.

Background

Napsin A is an aspartic proteinase that is expressed in normal lung and kidney (1). In the lung, napsin A is expressed by type II pneumocytes and alveolar macrophages, where it plays a role in processing surfactant protein B (2). Napsin A is expressed in lung adenocarcinomas, where it can be used to identify primary and metastatic lesions with greater sensitivity compared to TTF-1 (3,4). Napsin A expression has also been described in other types of cancer, such as kidney and thyroid cancer (5).

Background References

1. Tatnell, P.J. et al. (1998) *FEBS Lett* 441, 43-8.
2. Schauer-Vukasinovic, V. et al. (1999) *FEBS Lett* 462, 135-9.
3. Jagirdar, J. (2008) *Arch Pathol Lab Med* 132, 384-96.
4. Turner, B.M. et al. (2012) *Arch Pathol Lab Med* 136, 163-71.
5. Bishop, J.A. et al. (2010) *Hum Pathol* 41, 20-5.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IHC-P:** Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: Human

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