

#43861 Store at -20C

Napsin A (D2G1Y) Rabbit mAb (IF Formulated)



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

Applications: IF-IC	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #O96009	Entrez-Gene Id: 9476
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Product Usage Information	Application Immunofluorescence (Immunocytochemistry)	Dilution 1:100
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 (D2G1Y) Rabbit mAb (IF Formulated) 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	<ol style="list-style-type: none"> 1. Tatnell, P.J. et al. (1998) <i>FEBS Lett</i> 441, 43-8. 2. Schauer-Vukasinovic, V. et al. (1999) <i>FEBS Lett</i> 462, 135-9. 3. Jagirdar, J. (2008) <i>Arch Pathol Lab Med</i> 132, 384-96. 4. Turner, B.M. et al. (2012) <i>Arch Pathol Lab Med</i> 136, 163-71. 5. Bishop, J.A. et al. (2010) <i>Hum Pathol</i> 41, 20-5. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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