

Mouse anti-NSP-A and NSP-B, clone RNL-2, Purified (Monoclonal)

Clone no. RNL-2

MONOSAN

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Product name	Mouse anti-NSP-A and NSP-B, clone RNL-2, Purified (Monoclonal)
Host	Mouse
Applications	FC (1:25-1:100), ICC, IHC-fr (1:50), IHC-p (1:50), WB (1:100-1:1000)
Species reactivity	human, monkey, rabbit
Conjugate	-
Immunogen	small cell lung cancer cell line NCI-H82
Isotype	IgG1
Clonality	Monoclonal
Clone number	RNL-2
Size	100 µg
Concentration	1 mg/ml
Format	-
Storage buffer	PBS with 0.09% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

In lung cancer diagnosis Reticulon-1A appeared to be a reliable marker for the detection of neuroendocrine differentiation, since most of the small cell lung carcinoma (SCLC) and carcinoid tumors showed expression of Reticulon-1A. Reticulon-1B is a phosphoprotein with a MW of 45 kDa and is restricted to the lung cancer cell line NCI-H82. Reticulon-1B is so far not found in Human tissues. Reticulon-1C is a protein with a MW of 23 kDa which is not phosphorylated and is found with Reticulon-1A in SCLC (cell lines) and not in non-SCLC (cell cultures). RNL-2 recognizes an epitope located within the region of amino acids 421-589 of the neuro-endocrine specific protein Reticulon-1A (NSP-A), which is also present in the N-terminal part of Reticulon-1B (NSP-B). In normal tissues, RNL-2 reacts with brain Purkinje cells, pancreatic islet cells, cells in the pituitary gland and some (peripheral) nerve fibers. In addition, a few epithelia show positive staining.

**References**

1. Broers et al. Cancer 1991;67:619-633
2. Roebroek et al. J Biol Chem 1993;268:13439-47
3. Senden et al. Int J Cancer Suppl 1994;8:84-8
4. Senden et al. Eur J Cell Biol 1996;69:197-213
5. Senden et al. J Pathol 1997;182:13-21

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