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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Reticulon-1A/B [RNL-2] Standard Size Ab03352-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: RNL-2

Alternative Name(s) of Target: Reticulon-1; Neuroendocrine-specific protein; NSP-A/B

UniProt Accession Number of Target Protein: Q16799

Published Application(s): WB, FC, IHC

Published Species Reactivity: Monkey, Rabbit, Human

Immunogen: The original antibody was generated by immunizing a BALB/c mouse with the small cell lung cancer cell line NCI-H82.

Specificity: The antibody binds Reticulon-1A/B / NSP-A/B. The antibody 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).

Application Notes: This antibody was used for immunohistochemistry of NSP-A on squamous cell carcinoma (Senden et al., 1997; PMID: 9227337). The antibody detected NSP-A and B from NCI-H82 cells by western blot analysis. Immunofluorescence using the antibody revealed that NSPs are localized in the endoplasmic reticulum (ER) of NCI-H524 cells and migrated to the ER of COS-1 cells after transfection with the NSP-B construct. The antibody recognized a sub-set of neuro-endocrine tissues and tumours by immunohistochemistry. In normal tissues, the antibody reacted with brain Purkinje cells, pancreatic islet cells, some cells in the pituitary gland and some (peripheral) nerve fibres. Further, spleen reticular fibres, prostatic epithelium and some suprabasal cells of the tongue epithelium were also positive with the antibody. In the lung, positive staining was observed in the (sero)-mucous glands. While in non-pulmonary human tumours, a staining reaction was observed in a sub-set of neuro-endocrine tumours, such as pituitary adenomas and insulinomas. Moreover, some other malignancies, such as medullary Schwannoma, prostate carcinomas, thyroid carcinomas and melanomas, were positive (Senden et al., 1994; PMID: 7515034).

Antibody First Published in: Broers et al. Novel antigens characteristic of neuroendocrine malignancies *Cancer*. 1991 Feb 1;67(3):619-33.

[PMID:1845952](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.