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Antirecoverin autoantibodies in the patient with non-small cell lung cancer but without cancer-associated retinopathy

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Abstract

The goal of the present study was to analyze serum and tumor tissue of a patient with non-small cell lung cancer (NSCLC) for the presence of autoantibodies against recoverin (anti-Rc) and recoverin expression, correspondingly. Using immunoblotting with recombinant recoverin as an antigen, we have detected anti-

Rc in serum of the patient. At the same time, the patient did not manifest any signs of cancer-associated retinopathy (CAR). Polyclonal (monospecific) antibodies against recoverin used for immunohistochemical analysis of the patient's tumor revealed recoverin expression in the tumor sections. To our knowledge, this is the first case of the presence of serum anti-Rc in NSCLC patients in the absence of paraneoplastic retina degeneration.

Keywords

- [Recoverin](#)
- [Non-small cell lung carcinoma](#)
- [Paraneoplastic antigen](#)
- [Autoantibody](#)
- [Cancer-associated retinopathy](#)

Abbreviations:

[anti-Rc, autoantibodies against recoverin](#) (), [CAR, cancer-associated retinopathy](#) (), [NSCLC, non-small cell lung carcinoma](#) (), [SCLC, small cell lung carcinoma](#) ()

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