

**NEURONAL ANTINUCLEAR ANTIBODY IN SENSORY NEURONOPATHY FROM LUNG CANCER**

*Francesc Graus, Carlos Cordon-Cardo, and Jerome B. Posner*

**Neurology** 1985;35:538–543

We found an antinuclear antibody highly restricted to nuclei of neurons in two patients with subacute sensory neuropathy complicating oat cell carcinoma of the lung. Serum was tested by indirect immunofluorescence and immunoperoxidase staining. At low concentrations of antibody, only the nuclei of the neurons were stained. At high concentrations, there was also staining of the nuclei of glial cells and fetal nonneural tissues. The cytoplasm of most neurons was stained with the immunoperoxidase method.

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**Comment from Richard M. Ransohoff, MD, Associate Editor:** *A groundbreaking demonstration that paraneoplastic syndromes were associated with antibodies to neuronal components.*

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*Neurology* 2011;76;1414

DOI 10.1212/01.wnl.0000397289.39301.1d

**This information is current as of April 18, 2011**

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