

Interpretive Comments:

Paraneoplastic syndromes are a group of rare disorders; some of which are caused by autoimmune reactions against antigens co- expressed by cancer cells and neurons. Below are the most frequent cancers associated with paraneoplastic syndromes and autoantibodies.

Antibody	Neurological Disorder	Associated Tumour
Anti-Hu	Encephalomyelitis, Sensory neuropathy	Small cell lung cancer, Neuroblastoma
Anti-Yo	Cerebellar degeneration	Ovarian cancer, Breast cancers
Anti-Ri	Ataxia with or without Opsoclonus-myoclonus	Breast cancer, Small cell lung cancer
Anti-Ma2/Ta	Brain stem encephalitis, Limbic encephalitis	Testicular cancer
Anti-Amphiphysin	Stiff person syndrome	Breast cancer, Small cell lung cancer
Anti-CV2	Limbic encephalomyelitis	Small cell lung cancer, Thymoma
Anti-recoverin	Retinopathy	Small cell lung cancer
Anti-SOX1	Lambert-Eaton myasthenic syndrome, Cerebellar degeneration	Small cell lung cancer
Anti-titin	Myasthenia gravis	Thymoma
Anti-zic4	Cerebellar degeneration	Small cell lung cancer
Anti-GAD65	Stiff person syndrome	Breast carcinoma, Colon carcinoma
Anti-Tr (DNER)	Cerebellar degeneration	Hodgkin's lymphoma