



Anti-Rapsyn autoantibodies

Indications

Myasthenia gravis

see also

▶ [Autoantibodies in disease of neuromuscular transmission](#)

Prevalence

- ▶ Myasthenia gravis
- ▶ Lupus erythematoses
- ▶ Procainamide associated myopathy

Antigen

The cytoplasmic protein rapsyn (M_r 43 kDa) is associated with the synaptic membrane. It attaches with high affinity to cholinergic receptors (AChR) inducing their clustering at the subsynaptic membrane of the neuromuscular junction.

Literature

Agius MA, Zhu S, Fairclough RH: Antirapsyn antibodies in chronic procainamide-associated myopathy (CPAM). *Ann N Y Acad Sci* (1998); 841: 527 - 529 (PMID: [9668287](#)).

Agius MA, Zhu S, Aarli JA: Antirapsyn antibodies occur commonly in patients with lupus. *Ann N Y Acad Sci* (1998); 841: 525 - 526 (PMID: [9668286](#)).

Agius MA, Zhu S, Kirvan CA, Schafer AL, Lin MY, Fairclough RH, Oger JJ, Aziz T, Aarli JA: Rapsyn antibodies in myasthenia gravis. *Ann N Y Acad Sci* (1998); 841: 516 - 521 (PMID: [9668284](#)).

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