

Anti-MUSK(Muscle, skeletal receptor tyrosine protein kinase)Polyclonal Antibody

Cat. #: 60B256

Description:

MUSK(Muscle, skeletal receptor tyrosine protein kinase) is a key mediator of agrin's action and is involved in neuromuscular junction (NMJ) organization. Defects in MUSK may be a cause of autosomal recessive congenital myasthenic syndrome (CMS). Congenital myasthenic syndromes are inherited disorders of neuromuscular transmission that stem from mutations in presynaptic, synaptic, or postsynaptic proteins. MUSK mutations lead to decreased agrin-dependent AchR aggregation, a critical step in the formation of the neuromuscular junction. MUSK belongs to the Tyr protein kinase family and contains 1 FZ (frizzled) domain and 3 Ig-like C2-type (immunoglobulin-like) domains.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human MUSK(Muscle, skeletal receptor tyrosine protein kinase precursor)

References

Valenzuela,D.M., et al, Neuron 15 (3), 573-584 (1995)
Chevessier,F., et al, Hum. Mol. Genet. 13 (24), 3229-3240 (2004)

Clone Number:

Isotype:

Species: human, mouse, rat

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)