

产品名称: MUSK Mouse Monoclonal Antibody
产品货号: AMM80740



产品概述 (Summary)

产品名称 (Production Name)	MUSK Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MUSK
别名 (Alternative Names)	muscle, skeletal, receptor tyrosine kinase
基因 ID (Gene ID)	4593.0
蛋白 ID (SwissProt ID)	O15146. Purified recombinant extracellular fragment of human MUSK (aa24-209) fused with hIgGFc tag expressed in HEK293 cell line.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	97kDa

研究背景 (Background)

MuSK (for Muscle Specific Kinase) is a receptor tyrosine kinase required for the formation of the neuromuscular junction

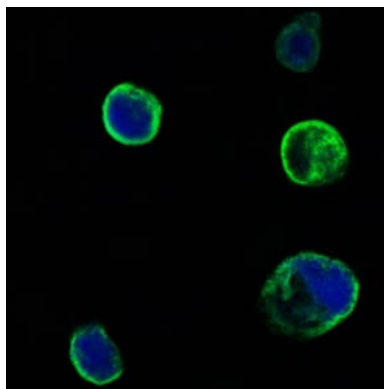
产品名称: MUSK Mouse Monoclonal Antibody
产品货号: AMM80740



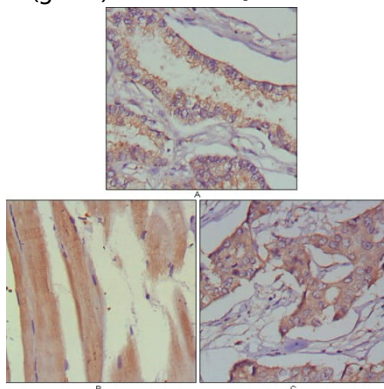
(NMJ). It induces cellular signaling by causing the addition of phosphate molecules to particular tyrosines on itself, and on proteins which bind the cytoplasmic domain of the receptor. It is activated by a nerve-derived proteoglycan called agrin. During development, the growing end of motor neuron axons secrete a protein called agrin. This protein binds to several receptors on the surface of skeletal muscle. The receptor which seems to be required for formation of the neuromuscular junction (NMJ), which comprises the nerve-muscle synapse is called MuSK. MUSK mutations lead to decreased agrin-dependent AchR aggregation, a critical step in the formation of the neuromuscular junction.

研究领域 (Research Area)

图片 (Image Data)



Confocal Immunofluorescence analysis of HEK293 cells trasfected with extracellular MUSK (aa24-209)-hIgGFc using MUSK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), muscles (B) and breast cancer (C) using MUSK mouse mAb with DAB staining.

注意事项 (Note)

For research use only .