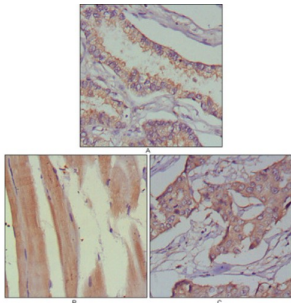
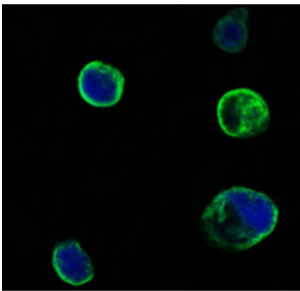


Muscle Skeletal Receptor Tyrosine Kinase (MUSK) Antibody

Catalogue No.: abx011206



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



Confocal immunofluorescence analysis of HEK293 cells transfected with extracellular MUSK (aa24-209) -hlgGfc using MUSK antibody (green). Blue: DRAQ5 fluorescent DNA dye.

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

Target:	Muscle Skeletal Receptor Tyrosine Kinase (MUSK)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant extracellular fragment of human MUSK (aa24-209) fused with hlgGfc tag expressed in HEK293 cell line.

Datasheet

Version: 1.0.0
Revision date: 14 Nov 2024



Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O15146 (UniProt , ExPASy)
Gene Symbol:	MUSK
GeneID:	4593
OMIM:	208150
HGNC:	7525
Ensembl:	ENSG00000030304
Molecular Weight:	97 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	This product is for research use only.

For Reference Only