

Mouse anti-Human MUSK Antibody | anti-MUSK antibody

MUSK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108541	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry

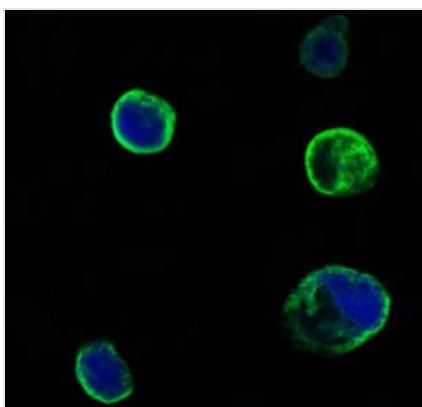
PRODUCT SYNONYMS

MUSK; MUSK Antibody; muscle; skeletal; receptor tyrosine kinase; anti-MUSK antibody

PRODUCT SPECIFICATIONS

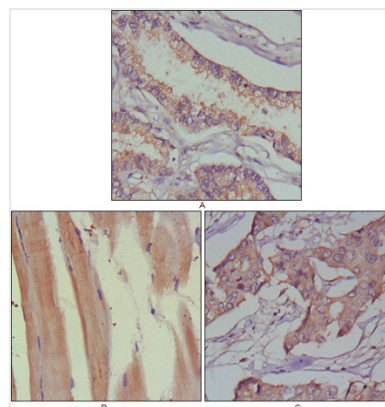
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	10A4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	783
Applicable Applications for anti-MUSK antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Purified recombinant extracellular fragment of human MUSK (aa24-209) fused with hIgGFc tag expressed in HEK293 cell line.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



IF (Immunofluorescence)

Figure 2. Confocal immunofluorescence analysis of HEK293 cells transfected with extracellular MUSK (aa24-209)-hIgGFc using MUSK mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye.



IHC (Immunohistochemistry)

Figure 1. Immunohistochemical analysis of paraffin-embedded human lung cancer (A), muscles (B) and breast cancer (C) using MUSK mouse mAb with DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-MUSK antibody	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.
Product Categories/Family for anti-MUSK antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	261878455
NCBI GeneID	4593
NCBI Accession #	NP_001159752.1
NCBI GenBank Nucleotide #	NM_001166280.1
UniProt Accession #	O15146; Q32MJ8; Q32MJ9; Q5VZW7; Q5VZW8
Molecular Weight	97kDa
NCBI Official Full Name	muscle, skeletal receptor tyrosine-protein kinase isoform 2
NCBI Official Synonym Full Names	muscle associated receptor tyrosine kinase
NCBI Official Symbol	MUSK
NCBI Official Synonym Symbols	CMS9; FADS
NCBI Protein Information	muscle, skeletal receptor tyrosine-protein kinase
UniProt Protein Name	Muscle, skeletal receptor tyrosine-protein kinase
UniProt Gene Name	MUSK
UniProt Synonym Gene Names	MuSK; Muscle-specific kinase receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-human-antibody/musk/108541>