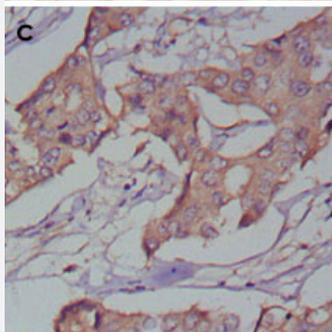
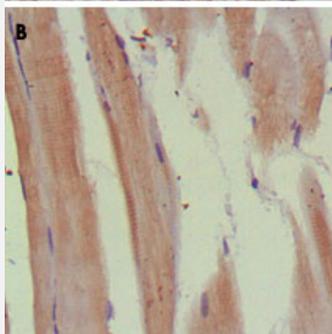
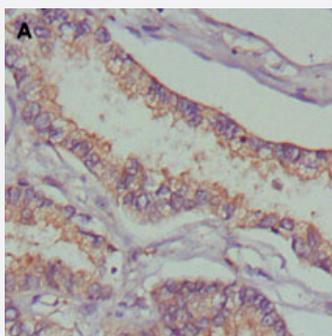


# MUSK monoclonal antibody, clone 10A4

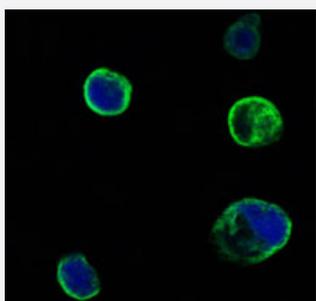
Catalog # MAB10428      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), muscles (B) and breast cancer (C) using MUSK monoclonal antibody, clone 10A4 (Cat # MAB10428) with DAB staining.



### Immunofluorescence

Confocal immunofluorescence analysis of 293 cells using MUSK monoclonal antibody, clone 10A4 (Cat # MAB10428) (green). Blue: DRAQ5 fluorescent DNA dye.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant MUSK.
<b>Immunogen</b>	Recombinant protein corresponding to human MUSK.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	97
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In ascitic (0.03% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), muscles (B) and breast cancer (C) using MUSK monoclonal antibody, clone 10A4 (Cat # MAB10428) with DAB staining.

- Immunofluorescence

Confocal immunofluorescence analysis of 293 cells using MUSK monoclonal antibody, clone 10A4 (Cat # MAB10428) (green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MUSK

Entrez GeneID	<a href="#">4593</a>
Gene Name	MUSK
Gene Alias	MGC126323, MGC126324
Gene Description	muscle, skeletal, receptor tyrosine kinase
Omim ID	<a href="#">601296 608931</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>Intercellular communication is often mediated by receptors on the surface of one cell that recognize and are activated by specific protein ligands released by other cells. Members of one class of cell surface receptors, receptor tyrosine kinases (RTKs), are characterized by having a cytoplasmic domain containing intrinsic tyrosine kinase activity. This kinase activity is regulated by the binding of a cognate ligand to the extracellular portion of the receptor. DeChiara et al. (1996) [PubMed 8653786] noted that the RTKs, known to be expressed in cell type-specific fashions, play a role critical for the growth and differentiation of those cell types. For example, members of the neural-specific TRK family that recognize nerve growth factor are absolutely required for the survival and development of discrete neuronal subpopulations, and the receptor tyrosine kinases TIE1 (MIM 600222) and TIE2 (MIM 600221) play a critical role in the development of normal blood vessels.[supplied by OMIM]</p>
Other Designations	protein-tyrosine kinase receptor tyrosine kinase skeletal muscle receptor tyrosine kinase

## Disease

- [Kidney Failure](#)