

Anti-MuSK Monoclonal Antibody

Catalog Number: A00815

About MUSK

Signaling adapter that couples activated growth factor receptors to signaling pathway. Isoform p46Shc and isoform p52Shc, once phosphorylated, couple activated receptor tyrosine kinases to Ras via the recruitment of the GRB2/SOS complex and are implicated in the cytoplasmic propagation of mitogenic signals. Isoform p46Shc and isoform p52Shc may thus function as initiators of the Ras signaling cascade in various non-neuronal systems. Isoform p66Shc does not mediate Ras activation, but is involved in signal transduction pathways that regulate the cellular response to oxidative stress and life span. Isoform p66Shc acts as a downstream target of the tumor suppressor p53 and is indispensable for the ability of stress-activated p53 to induce elevation of intracellular oxidants, cytochrome c release and apoptosis. The expression of isoform p66Shc has been correlated with life span

Tramont P, et al. (2006) Mol Cell Biol; 26(23): 9035-9044.

Patrussi L, et al. (2005) Oncogene; 24(13): 2218-2228

van der Geer P, et al. (1996) Curr Biol ; 6(11): 1435-1444

Overview

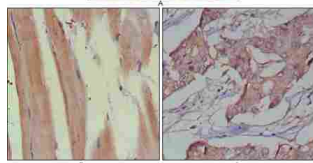
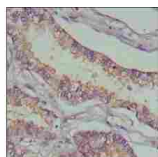
Product Name	Anti-MuSK Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-MuSK Monoclonal Antibody catalog # A00815. Tested in IF, IHC applications. This antibody reacts with Human.
Application	IF, IHC
Clonality	Monoclonal 10A4
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	O15146

Technical Details

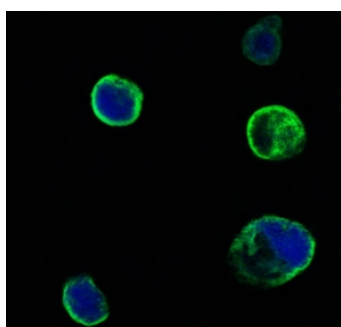
Immunogen	Purified recombinant extracellular fragment of human MuSK (aa24-209) fused with hlgGfc tag expressed in HEK293 cell line.
Predicted Reactive Species	Equine
Cross Reactivity	No cross reactivity with other proteins.

Isotype	IgG1
Form	Liquid
Concentration	This antibody's concentration is >0.5mg/ml.
Purification	Affinity purification
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>IHC, 1:200-1:1000</p> <p>IF, 1:200-1:1000</p>

Anti-MuSK Monoclonal Antibody (A00815) Images



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Lung cancer (A), muscles (B) and breast cancer (C) with DAB staining using MuSK Monoclonal antibody.



Confocal Immunofluorescence (IF) analysis of HEK293 cells transfected with extracellular MUSK (aa24-209)-hIgGFc using MuSK Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye.

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