

Product Datasheet

MuSK Antibody NB120-5619

Unit Size: 200 ug

Store at -20C. Avoid freeze-thaw cycles.

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NB120-5619

MuSK Antibody

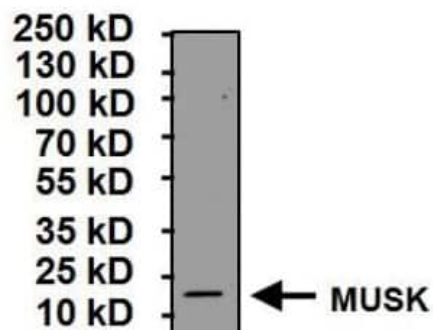
Product Information	
Unit Size	200 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS with 1 mg/ml BSA and 30% glycerol

Product Description	
Host	Rabbit
Gene ID	4593
Gene Symbol	MUSK
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects MUSK from mouse and rat tissue samples as well as COS7 cells transfected with rat MUSK.
Immunogen	Recombinant protein containing residues 210-304 from the extracellular domain of rat MuSK

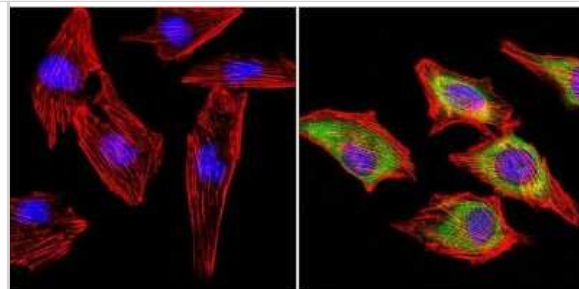
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:1000, Immunohistochemistry 1:20 - 1:100, Immunocytochemistry/ Immunofluorescence 1:20 - 1:100, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:20 - 1:100

Images

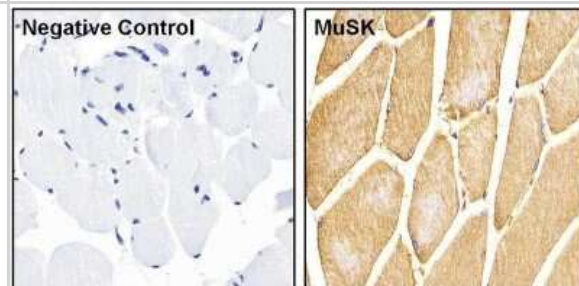
Western Blot: MuSK Antibody [NB120-5619] - Analysis of 3ng of muscle-specific kinase antigen and 10ul PageRuler Plus Prestained Protein Ladder per well.



Immunocytochemistry/Immunofluorescence: MuSK Antibody [NB120-5619] - Analysis of muscle-specific kinase (MuSK) (green) in C2C12 mouse myoblast cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS for 10 minutes, and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained without (left panel) or with a MuSK polyclonal antibody, at a dilution of 1:20 in blocking buffer for at least 1 hour at room temperature, and then incubated with a DyLight 488 goat anti-rabbit IgG secondary antibody for 45 minutes at room temperature (green). F-Actin (both panels, red) was stained with DyLight 554 Phalloidin and nuclei (both panels, blue) were stained with DAPI. Images were taken at 60X magnification.

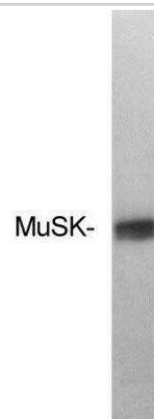


Immunohistochemistry-Paraffin: MuSK Antibody [NB120-5619] - Staining on mouse skeletal muscle tissue.

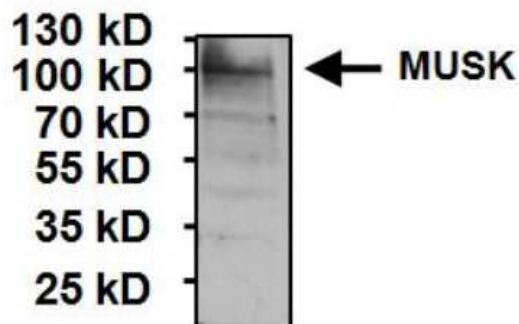


Western Blot: MuSK Antibody [NB120-5619] - Analysis of Rat MuSK transfected COS7 cell lysate.

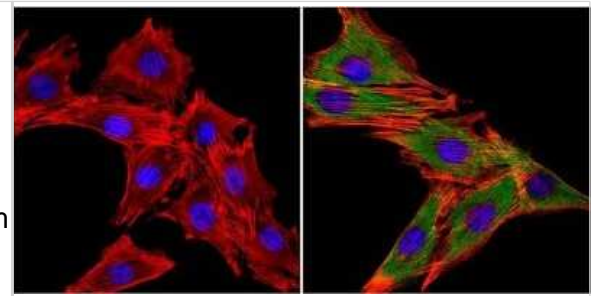
Fig. 1



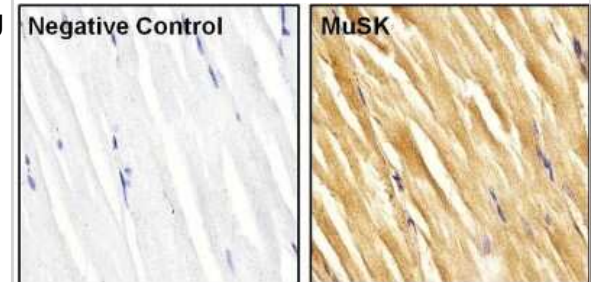
Western Blot: MuSK Antibody [NB120-5619] - Analysis of 30ug of rat skeletal muscle tissue lysate and 10ul PageRuler Plus Prestained Protein Ladder per well onto a 4-20% Tris-Glycine polyacrylamide gel.



Immunocytochemistry/Immunofluorescence: MuSK Antibody [NB120-5619] - Analysis of muscle-specific kinase (MuSK) (green) in L6 rat myoblast cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS for 10 minutes, and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained without (left panel) or with a MuSK polyclonal antibody, at a dilution of 1:20 in blocking buffer for at least 1 hour at room temperature, and then incubated with a DyLight 488 goat anti-rabbit IgG secondary antibody for 45 minutes at room temperature (green). F-Actin (both panels, red) was stained with DyLight 554 Phalloidin and nuclei (both panels, blue) were stained with DAPI. Images were taken at 60X magnification.



Immunohistochemistry-Paraffin: MuSK Antibody [NB120-5619] - Staining on rat skeletal muscle tissue.



Publications

Louit A, Beaudet MJ, Gros-Louis F, Berthod F Tissue-engineered in vitro modeling of the impact of Schwann cells in amyotrophic lateral sclerosis *Biotechnology and bioengineering* 2022-03-15 [PMID: 35289393]



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Products Related to NB120-5619

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
550-AG-100	Agrin [Unconjugated]

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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