

Product Datasheet

non-muscle Myosin IIA Antibody - BSA Free NBP2-62644

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-62644

non-muscle Myosin IIA Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

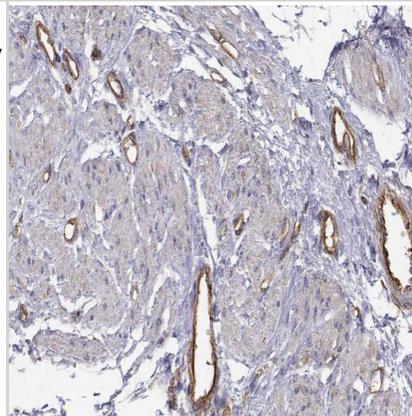
Product Description	
Description	Novus Biologicals Rabbit non-muscle Myosin IIA Antibody - BSA Free (NBP2-62644) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4627
Gene Symbol	MYH9
Species	Human
Reactivity Notes	Mouse (88%), Rat (87%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: LEDATETADAMNREVSSLKNKLRRGDLPFVVPRRMARKGAGDGSDEEVDGKA DGAEAKPA

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

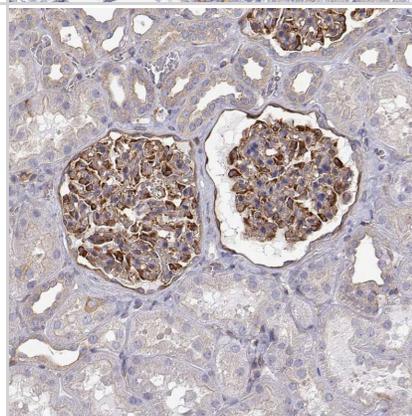


Images

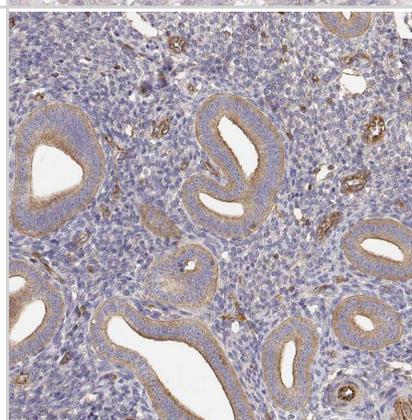
Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Staining of human smooth muscle shows moderate cytoplasmic positivity in muscle fibres and endothelial cells.



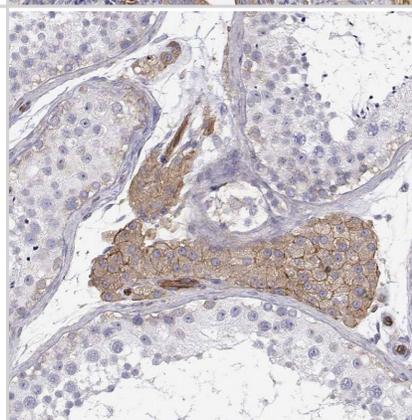
Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in glomeruli.



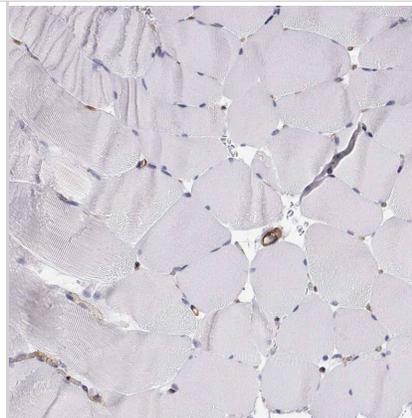
Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Staining of human endometrium shows moderate membranous positivity in glandular cells.



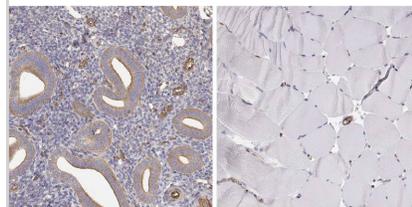
Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Staining of human testis shows moderate cytoplasmic/membranous positivity in Leydig cells.



Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Staining of human skeletal muscle shows no positivity in myocytes as expected.

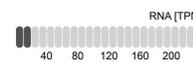
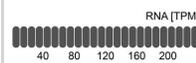


Immunohistochemistry: non-muscle Myosin IIA Antibody [NBP2-62644] - Immunohistochemistry analysis in human endometrium and skeletal muscle tissues using NBP2-62644 antibody. Corresponding MYH9 RNA-seq data are presented for the same tissues.

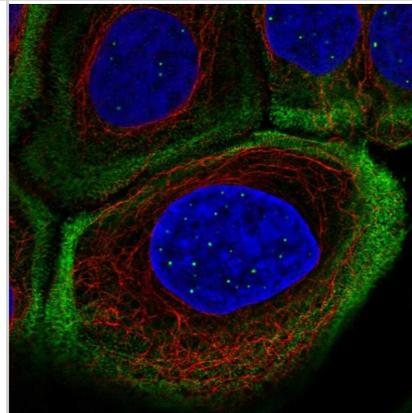


MYH9 in Endometrium

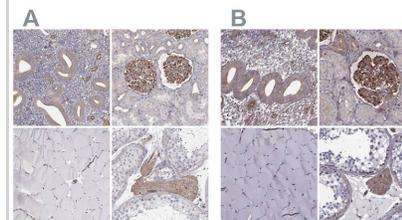
MYH9 in Skeletal muscle



Staining of human cell line A-431 shows localization to nuclear bodies, plasma membrane & actin filaments.



Staining of human endometrium, kidney, skeletal muscle and testis using NBP2-62644 (A) shows similar protein distribution across tissues to independent antibody NBP1-85244 (B).





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Products Related to NBP2-62644

NBP2-62644PEP	non-muscle Myosin IIA Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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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