

Product Datasheet

non-muscle Myosin IIA Antibody - BSA Free NBP1-85244

Unit Size: 0.1 ml

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

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NBP1-85244

non-muscle Myosin IIA Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
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

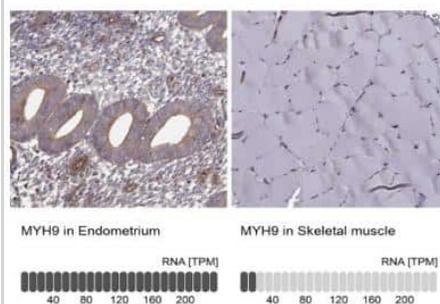
Product Description	
Description	Novus Biologicals Rabbit non-muscle Myosin IIA Antibody - BSA Free (NBP1-85244) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-non-muscle Myosin IIA Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4627
Gene Symbol	MYH9
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 24155382).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: REQEVNILKKTLEEEAKTHEAQIQEMRQKHSQAVEELAEQLEQTKRVKANLEK AKQTLENERGELANEVAVLLQGKGDSEHKRKKVEAQLQELQVKFNEGERVRT ELADKVTKLQVELDNVTGLLSQSDSKSSKLTKDF

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	WB reported in scientific literature (PMID: 24155382). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

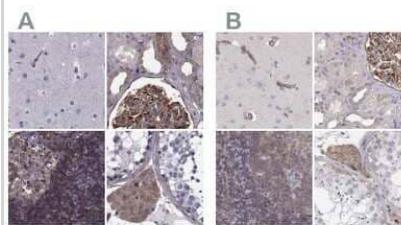


Images

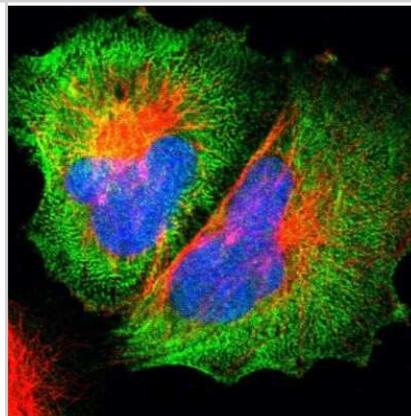
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Analysis in human endometrium and skeletal muscle tissues using NBP1-85244 antibody. Corresponding MYH9 RNA-seq data are presented for the same tissues.



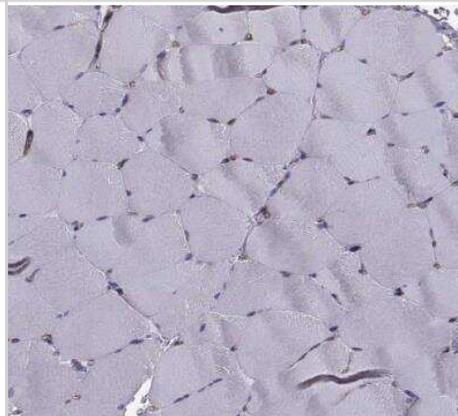
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human cerebral cortex, kidney, lymph node and testis using Anti-MYH9 antibody NBP1-85244 (A) shows similar protein distribution across tissues to independent antibody NBP2-62644 (B).



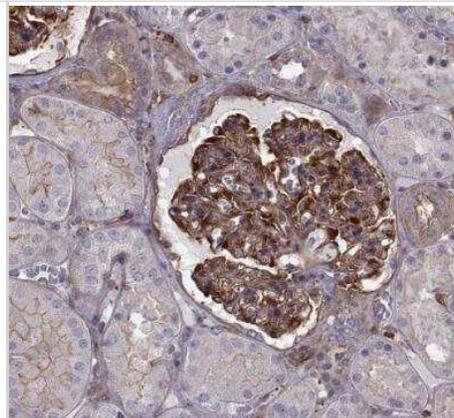
Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human cell line U-251 MG shows localization to plasma membrane, cytosol and actin filaments. Antibody staining is shown in green.



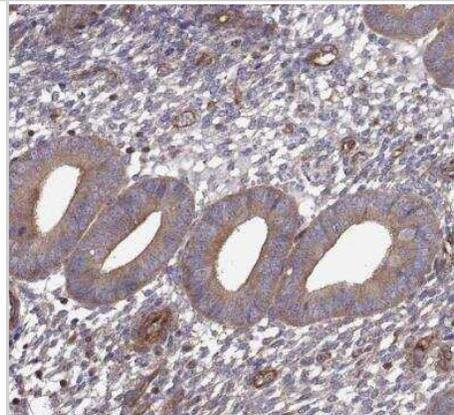
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



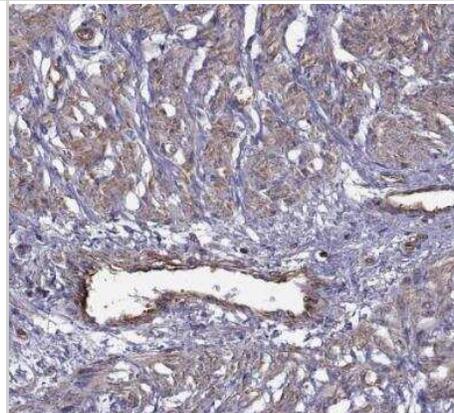
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human kidney shows strong cytoplasmic positivity in cells in glomeruli.



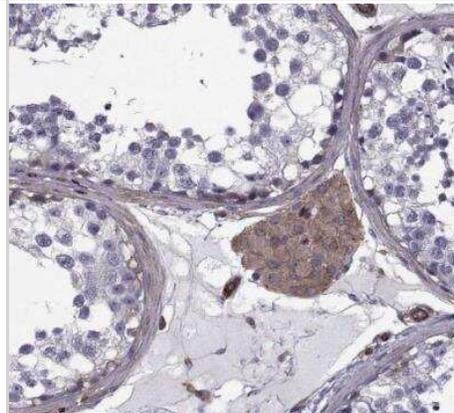
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining of human smooth muscle shows moderate cytoplasmic positivity in muscle fibers and in endothelial cells.



Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-85244] - Staining in human testis shows strong cytoplasmic and membranous positivity in Leydig cells.



Publications

Sun Y, Qi Y, Liu C et al. Nonmuscle Myosin Heavy Chain IIA Is a Critical Factor Contributing to the Efficiency of Early Infection of Severe Fever with Thrombocytopenia Syndrome Virus. J Virol 2014-01-01 [PMID: 24155382] (WB, Human)



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Products Related to NBP1-85244

NBP1-85244PEP	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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