

Product Datasheet

Myosin 5a Antibody - BSA Free NBP1-92156

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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NBP1-92156

Myosin 5a 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

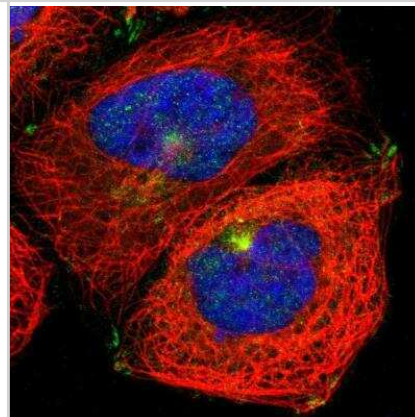
Product Description	
Host	Rabbit
Gene ID	4644
Gene Symbol	MYO5A
Species	Human
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID:32815283)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QNLQLPPEARIEASLQHEITRLTNENLDLMEQLEKQDKTVRKLKKQLKVFACKIG ELEVGMENISPGQIIDEPIRPVNIPRKEKDFQGMLEYKKEDEQKLVKNLILELK PRGVAVNLIPG

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 µg/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Knockdown Validated Validation (Barthelemy-Requin et al).
Application Notes	IHC-P, Retrieval method HIER pH6, ICC/IF, Fixation/Permeabilization: PFA/Triton X-100.

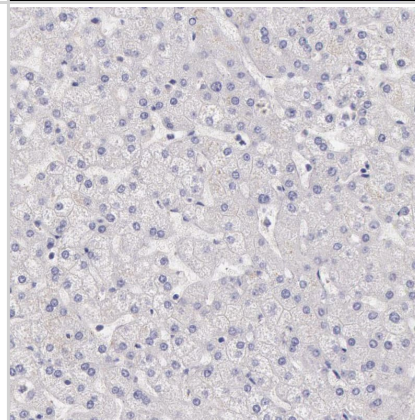


Images

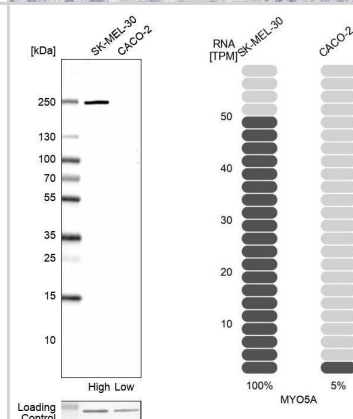
Immunocytochemistry/Immunofluorescence: Myosin 5a Antibody [NBP1-92156] - Staining of human cell line A-431 shows localization to microtubule organizing center & focal adhesion sites. Antibody staining shown in green.



Staining of human liver shows no positivity in hepatocytes as expected.



Analysis in human cell lines SK-MEL-30 and Caco-2 using Anti-MYO5A antibody. Corresponding MYO5A RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



Publications

Jewett CE, McCurdy BL, O'Toole ET et al. Trisomy 21 induces pericentrosomal crowding delaying primary ciliogenesis and mouse cerebellar development eLife 2023-01-19 [PMID: 36656118] (Human)

Carew JA, Cristofaro V, Goyal RK et Al. Differential Myosin 5a splice variants in innervation of pelvic organs Front Physiol 2023-12-12 [PMID: 38148903]

Chien-Hui Lo, Zhiquan Liu, Siyu Chen, Frank Lin, Andrew R. Berneshawi, Charles Q. Yu, Euna B. Koo, Tia J. Kowal, Ke Ning, Yang Hu, Won-Jing Wang, Y. Joyce Liao, Yang Sun Primary cilia formation requires the Leigh syndrome–associated mitochondrial protein NDUFAF2 The Journal of Clinical Investigation 2024-07-01 [PMID: 38949024]

Rivera-Molina FE, Xi Z, Reales E Et al. Exocyst complex mediates recycling of internal cilia Current biology : CB 2021-10-19 [PMID: 34678163]

Stuck MW, Chong WM, Liao JC, Pazour GJ Rab34 is necessary for early stages of intracellular ciliogenesis Current biology : CB 2021-05-07 [PMID: 33989524]

Lo C H, Lin I H et al. Phosphorylation of CEP83 by TTBK2 is necessary for cilia initiation. J Cell Biol 2019-07-10 [PMID: 31455668] (ICC/IF, Human)

Fan JR, You LR, Wang WJ et al. Lamin A-mediated nuclear lamina integrity is required for proper ciliogenesis EMBO Rep. 2020-08-19 [PMID: 32815283] (IF/IHC, Mouse)

Barthelemy-Requin M, Massey-Harroche D CRB2 controls primary ciliogenesis in association with PAR6 alpha, HOOK2 and RAB8A bioRxiv 2019-11-04 (KD, ICC/IF, Human)

Cuenca A, Insinna C, Zhao H et al. The C7orf43/TRAPPC14 component links the TRAPPII complex to RABIN8 for preciliary vesicle tethering at the mother centriole during ciliogenesis J. Biol. Chem. 2019-08-29 [PMID: 31467083] (Human)

Reynier M, Allart S, Goudouneche D et al. The Actin-Based Motor Myosin Vb is Crucial to Maintain the Epidermal Barrier Integrity. J. Invest. Dermatol. 2019-01-17 [PMID: 30660668] (Human)





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Products Related to NBP1-92156

NBP1-92156PEP	Myosin 5a Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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