

Product Datasheet

myosin X Antibody - BSA Free

NBP1-87748

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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NBP1-87748

myosin X 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 | Immunogen affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

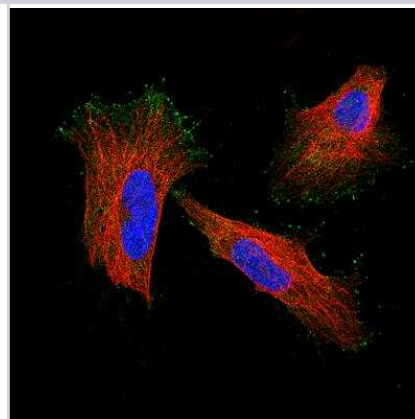
| Product Description | |
|---------------------|---|
| Host | Rabbit |
| Gene ID | 4651 |
| Gene Symbol | MYO10 |
| Species | Human |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: QRMKEQQELSLTEASLQKLQERRDQELRRLEEEACRAAQEFLESLNFDEIDEC VRNIERSLSVGSEFSSELAESACEEKPNFNFSQPYPEEEVDEGFADDDAFKD SPNPSEHGHSDQRTSGIRTSDDSSEEDPYMNDTVVPTSPSA |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml |
| Application Notes | ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

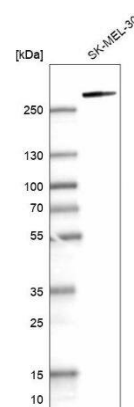


Images

Immunocytochemistry/Immunofluorescence: myosin X Antibody [NBP1-87748] - Staining of human cell line HeLa shows localization to plasma membrane and the tips of filopodia. Antibody staining is shown in green. Antibody staining is shown in green.



Western Blot-myosin X Antibody [NBP1-87748] -Analysis in human cell line SK-MEL-30.



Publications

Shangguan J, Rock RS. Hundreds of myosin 10s are pushed to the tips of filopodia and could cause traffic jams on actin eLife 2024-10-31 [PMID: 39480891]

Casey Eddington, Jessica K. Schwartz, Margaret A. Titus filoVision – using deep learning and tip markers to automate filopodia analysis Journal of Cell Science 2024-02-15 [PMID: 38264939]

Summerbell E, Mouw J, Bell J et al. Epigenetically heterogeneous tumor cells direct collective invasion through filopodia-driven fibronectin micropatterning Sci. Adv. 2020-07-01 [PMID: 32832657]

Lin WH, Hurley JT, Raines AN et al. Myosin X and its motorless isoform differentially modulate dendritic spine development by regulating trafficking and retention of vasodilator-stimulated phosphoprotein. J Cell Sci 2013-10-15 [PMID: 23943878] (WB, Human)

Lin L, Sun W, Throesch B et al. DPP6 regulation of dendritic morphogenesis impacts hippocampal synaptic development. Nat Commun 2013-01-01 [PMID: 23912628]

Raines AN, Nagdas S, Kerber ML, Cheney RE. Headless Myo10 Is a Negative Regulator of Full-length Myo10 and Inhibits Axon Outgrowth in Cortical Neurons. J Biol Chem 2012-07-20 [PMID: 22661706]

Liu KC, Jacobs DT, Dunn BD et al. Myosin-X functions in polarized epithelial cells. Mol Biol Cell 2012-05-01 [PMID: 22419816]



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Products Related to NBP1-87748

| | |
|---------------|---|
| NBP1-87748PEP | myosin X 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 |

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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