

# Product Datasheet

## MYO18A Antibody - BSA Free

### NB100-79839

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-79839**

MYO18A Antibody - BSA Free

**Product Information**

|                      |                                       |
|----------------------|---------------------------------------|
| <b>Unit Size</b>     | 100 ul                                |
| <b>Concentration</b> | 1.0 mg/ml                             |
| <b>Storage</b>       | Store at 4C. Do not freeze.           |
| <b>Clonality</b>     | Polyclonal                            |
| <b>Preservative</b>  | 0.09% Sodium Azide                    |
| <b>Isotype</b>       | IgG                                   |
| <b>Purity</b>        | Immunogen affinity purified           |
| <b>Buffer</b>        | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

**Product Description**

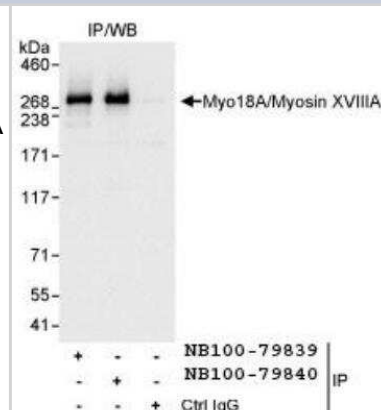
|                    |                                                                                                                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Rabbit MYO18A Antibody - BSA Free (NB100-79839) is a polyclonal antibody validated for use in IP. Anti-MYO18A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Rabbit                                                                                                                                                                                                                                |
| <b>Gene ID</b>     | 399687                                                                                                                                                                                                                                |
| <b>Gene Symbol</b> | MYO18A                                                                                                                                                                                                                                |
| <b>Species</b>     | Human                                                                                                                                                                                                                                 |
| <b>Immunogen</b>   | The immunogen this antibody was made to, maps to a region between residue 300 and 350 of human myosin 18A using the numbering given in entry NP_510880.2 (GeneID 399687).                                                             |

**Product Application Details**

|                              |                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Immunoprecipitation                                                                                                                                                                                                                               |
| <b>Recommended Dilutions</b> | Immunoprecipitation 2-5 mcg/mg lysate                                                                                                                                                                                                             |
| <b>Application Notes</b>     | This antibody has not performed satisfactorily when used for WB of Myo18A/Myosin XVIII A in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of Myo18A/Myosin XVIII A. |

**Images**

Immunoprecipitation: MYO18A Antibody [NB100-79839] - Detection of Human Myo18A/Myosin XVIII A by Western Blot of Immunoprecipitates. Samples: RIPA whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-Myo18A/Myosin XVIII A antibody NB100-79839 used for IP at 3 mcg/mg lysate. Myo18A/Myosin XVIII A was also immunoprecipitated by rabbit anti- Myo18A/Myosin XVIII A antibody NB100-79840, which recognizes a downstream epitope. Detection: Chemiluminescence with an exposure time of 1 second.



## Publications

Aguilar-Cuenca R, Llorente-Gonzalez C, Chapman JR et al. Tyrosine Phosphorylation of the Myosin Regulatory Light Chain Controls Non-muscle Myosin II Assembly and Function in Migrating Cells Curr. Biol. 2020-06-02 [PMID: 32502416]





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### **Products Related to NB100-79839**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-83021PEP | MYO18A Recombinant Protein Antigen                  |

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### **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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