

# Product Datasheet

## MYO9B Antibody NB100-41092

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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**NB100-41092****MYO9B Antibody**

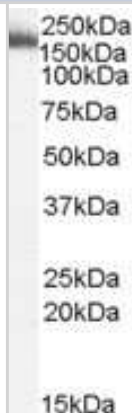
| <b>Product Information</b> |  |
|----------------------------|--|
| <b>Unit Size</b>           | 0.1 mg   |
| <b>Concentration</b>       | 0.5 mg/ml  |
| <b>Storage</b>             | Store at -20C. Avoid freeze-thaw cycles.               |
| <b>Clonality</b>           | Polyclonal   |
| <b>Preservative</b>        | 0.02% Sodium Azide                                     |
| <b>Isotype</b>             | IgG  |
| <b>Purity</b>              | Immunogen affinity purified                            |
| <b>Buffer</b>              | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

| <b>Product Description</b>     |  |
|--------------------------------|--|
| <b>Host</b>                    | Goat   |
| <b>Gene ID</b>                 | 4650   |
| <b>Gene Symbol</b>             | MYO9B  |
| <b>Species</b>                 | Human, Mouse   |
| <b>Reactivity Notes</b>        | Mouse reactivity reported in scientific literature (PMID: 24466350).   |
| <b>Specificity/Sensitivity</b> | This antibody is expected to recognise both reported isoforms (NP_004136.2; NP_001123537.1).                     |
| <b>Immunogen</b>               | Peptide with sequence C-KNDFEPVKQSKAQ corresponding to internal region according to NP_004136.2, NP_001123537.1. |

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA   |
| <b>Recommended Dilutions</b>       | Western Blot 2 - 6 ug/ml, Immunocytochemistry/ Immunofluorescence, Peptide ELISA Detection limit 1:2000  |
| <b>Application Notes</b>           | WB: Approx. 200 kDa band observed in human liver lysates (calculated MW of 243 kDa band according to NP_004136.2). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 24466350). |

**Images**

Western Blot: MYO9B Antibody [NB100-41092] - (2ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



## Publications

Monsuur AJ, de Bakker PI, Alizadeh BZ et al. Myosin IXB variant increases the risk of celiac disease and points toward a primary intestinal barrier defect. Nat Genet 2005-12-01 [PMID: 16282976]

McMichael BK, Scherer KF, Franklin NC, Lee BS. The RhoGAP activity of myosin IXB is critical for osteoclast podosome patterning, motility, and resorptive capacity. PLoS ONE. 2014-01-27 [PMID: 24466350] (ICC/IF, WB, Mouse)

### Details:

Mouse bone marrow derived osteoclasts: IF (Fig 1), WB (Fig 1A). Note: The specificity of the MYO9B pAb was validated with MYO9B siRNA and in MYO9B transfected osteoclasts by WB. a goat polyclonal Ab from Imgenex were used to detect Myo9b.





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### **Products Related to NB100-41092**

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|                 |  |
|-----------------|--|
| NB100-41092PEP  | MYO9B Peptide  |
| HAF017          | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109          | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control   |

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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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