

# Product Datasheet

## Myotubularin Antibody NB300-949

Unit Size: 0.1 mg

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

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**NB300-949****Myotubularin Antibody****Product Information**

<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

**Product Description**

<b>Host</b>	Goat
<b>Gene ID</b>	4534
<b>Gene Symbol</b>	MTM1
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	Peptide with sequence C-SSPSQMMPHVQTHF corresponding to C-Terminus according to NP_000243.1.

**Product Application Details**

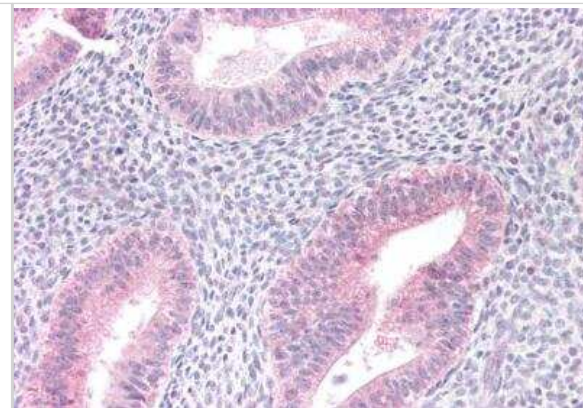
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 1 - 3 ug/mL, Immunohistochemistry 10 ug/mL, Immunohistochemistry-Paraffin 10 ug/mL, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	WB: Approx. 70 kDa band observed in lysates of human skeletal muscle, mouse heart and skeletal muscle and HepG2 (calculated MW of 69.9 kDa band according to NP_000243.1 and 69.6 kDa band according to mouse NP_001157662.1).

**Images**

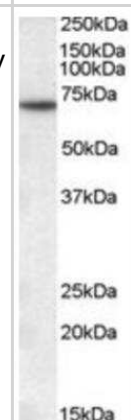
Western Blot: Myotubularin Antibody [NB300-949] - Staining of Mouse Skeletal Muscle lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

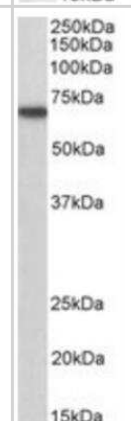
Immunohistochemistry-Paraffin: Myotubularin Antibody [NB300-949] - Staining of paraffin embedded Human Uterus. Antibody at 10 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot: Myotubularin Antibody [NB300-949] - Staining (0.3ug/ml) of Human Skeletal Muscle lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Detected by chemiluminescence.



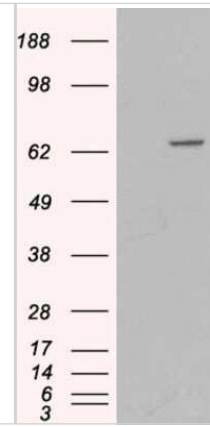
Western Blot: Myotubularin Antibody [NB300-949] - Staining of HepG2 cell lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.



Western Blot: Myotubularin Antibody [NB300-949] - Staining of Mouse Heart (A) and Skeletal Muscle (B) lysates (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.



Western Blot: Myotubularin Antibody [NB300-949] - HEK293 overexpressing MTM1 and probed with (mock transfection in first lane).



## Publications

Laporte J, Hu LJ, Kretz C et al. A gene mutated in X-linked myotubular myopathy defines a new putative tyrosine phosphatase family conserved in yeast. Nat Genet 1996-06-01 [PMID: 8640223]





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### **Products Related to NB300-949**

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NBL1-13369	Myotubularin Overexpression Lysate
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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