

For Research Use Only

# NEB-Specific Polyclonal antibody

Catalog Number: 19706-1-AP **2 Publications**



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>19706-1-AP                          | <b>GenBank Accession Number:</b><br>NM_004543 | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 450 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4703                 | <b>Recommended Dilutions:</b><br>IHC 1:20-1:200              |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>P20929                  |  |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>nebulin                  |  |
|   | <b>Calculated MW:</b><br>773 kDa              |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IHC, ELISA  | <b>Positive Controls:</b><br>IHC : human skeletal muscle tissue, |
| <b>Cited Applications:</b><br>WB   |  |
| <b>Species Specificity:</b><br>human, mouse, rat   |  |
| <b>Cited Species:</b><br>human, mouse  |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

NEB, a giant muscle protein, may be involved in maintaining the structural integrity of sarcomeres and the membrane system associated with the myofibrils. NEB binds and stabilizes F-actin. Defects in NEB are the cause of nemaline myopathy type 2 (NEM2). The antibody is specific to NEB.

## Notable Publications

| Author                  | Pubmed ID | Journal       | Application |
|-------------------------|-----------|---------------|-------------|
| Ankit Garg              | 24960163  | J Clin Invest | WB          |
| Andres Ramirez-Martinez | 28826497  | Elife         | WB          |

## Storage

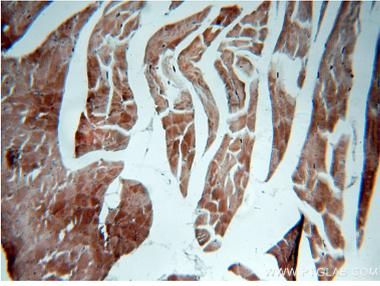
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

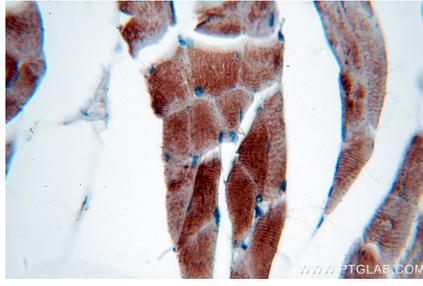
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 19706-1-AP (NEB-Specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 19706-1-AP (NEB-Specific antibody) at dilution of 1:50 (under 40x lens).