

Product Datasheet

TBC1D4 Antibody NB100-57094

Unit Size: 0.1 mg

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

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Publications: 2

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NB100-57094**TBC1D4 Antibody**

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

| Product Description | |
|----------------------------|--|
| Description | Novus Biologicals Goat TBC1D4 Antibody (NB100-57094) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-TBC1D4 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 9882 |
| Gene Symbol | TBC1D4 |
| Species | Human |
| Immunogen | Peptide with sequence C-DDPEKIEERKKSK corresponding to internal region according to NP_055647.2. |

| Product Application Details | |
|------------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry 3 - 5 ug/ml, Immunohistochemistry-Paraffin 3 - 5 ug/ml, Peptide ELISA Detection limit 1:128000 |
| Application Notes | WB: Approx. 150 kDa band observed in lysates of Daudi and MOLT4 (calculated MW of 147 kDa band according to NP_055647.2). IHC-P: Human skeletal muscle shows striated pattern staining of majority of muscular fibres. |

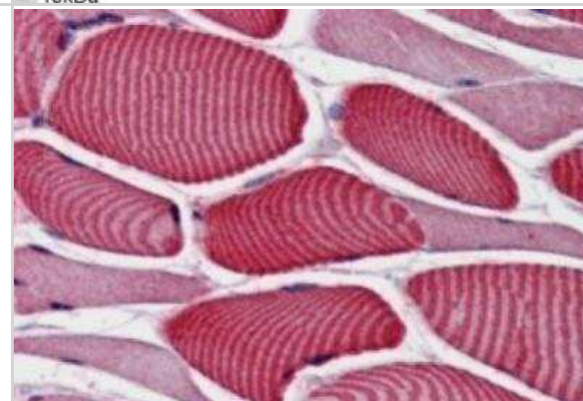


Images

Western Blot: TBC1D4 Antibody [NB100-57094] - (0.1ug/ml) staining of Daudi cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa
10kDa

Immunohistochemistry-Paraffin: TBC1D4 Antibody [NB100-57094] - (3.8ug/ml) staining of Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Karlsson HK, Zierath JR, Kane S et al. Insulin-stimulated phosphorylation of the Akt substrate AS160 is impaired in skeletal muscle of type 2 diabetic subjects. *Diabetes* 2005-06-01 [PMID: 15919790]

Stockli J et al. Regulation of glucose transporter 4 translocation by the Rab guanosine triphosphatase-activating protein AS160/TBC1D4: role of phosphorylation and membrane association. *Mol Endocrinol*;22 (12):2703-15. 2008-12-01 [PMID: 18801932]



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Products Related to NB100-57094

| | |
|-----------------|--|
| 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 |
| NBP2-38880PEP | TBC1D4 Recombinant Protein Antigen |

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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