

Product Datasheet

TSC1 Antibody NB100-2821

Unit Size: 0.1 mg

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

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Publications: 2

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Updated 9/9/2025 v.20.1

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NB100-2821

TSC1 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 TSC1 Antibody (NB100-2821) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-TSC1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 7248 |
| Gene Symbol | TSC1 |
| Species | Human |
| Specificity/Sensitivity | This antibody is expected to recognise isoform 1 (NP_000359.1) only. |
| Immunogen | Peptide with sequence C-QLHIMDYNETHHEH corresponding to C-Terminus according to NP_000359.1. |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.1 - 0.3 ug/mL, Immunohistochemistry 3.75 ug/mL, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA Detection limit 1:128000 |
| Application Notes | Western blot: Approx 150kDa band observed in Human Brain lysates (calculated MW of 130kDa according to NP_000359.1). WB also reported in scientific literature (PMID: 10915759). |

Images

Western Blot: TSC1 Antibody [NB100-2821] - Staining of Human Brain lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

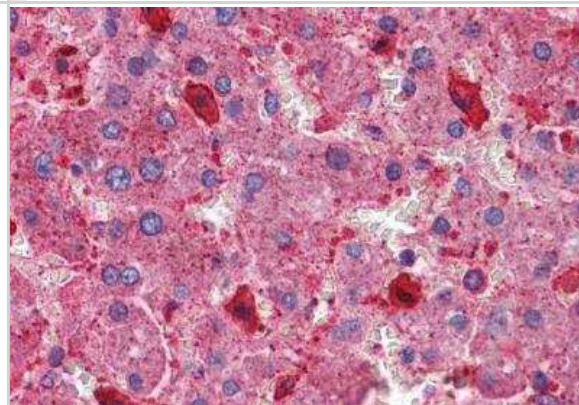
250kDa
150kDa
100kDa
75kDa
50kDa
37kDa

25kDa
20kDa

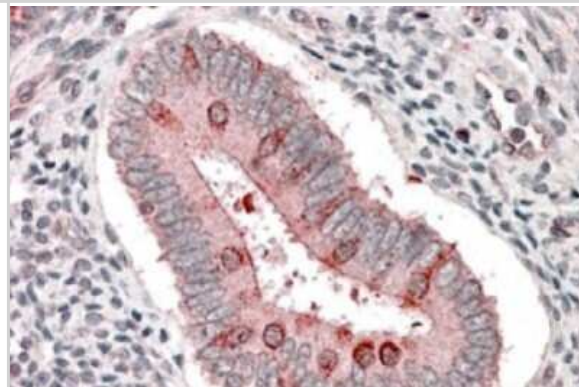
15kDa

10kDa

Immunohistochemistry-Paraffin: TSC1 Antibody [NB100-2821] - Staining of paraffin embedded Human Liver. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: TSC1 Antibody [NB100-2821] - Staining of paraffin embedded Human Uterus. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Chan JA, Zhang H, Roberts PS et al. Pathogenesis of tuberous sclerosis subependymal giant cell astrocytomas: biallelic inactivation of TSC1 or TSC2 leads to mTOR activation. *J Neuropathol Exp Neurol* 2004-12-01 [PMID: 15624760]

Miloloza A, Rosner M, Nellist M et al. The TSC1 gene product, hamartin, negatively regulates cell proliferation. *Hum Mol Genet* 2000-07-01 [PMID: 10915759]



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Products Related to NB100-2821

| | |
|-----------------|--|
| NB820-59177 | Human Brain Whole Tissue Lysate (Adult Whole Normal) |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| 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 |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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