

# Product Datasheet

## TSC1 Antibody - BSA Free NB100-2315

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-2315**

TSC1 Antibody - BSA Free

**Product Information**

|                      |                                       |
|----------------------|---------------------------------------|
| <b>Unit Size</b>     | 100 ul                                |
| <b>Concentration</b> | 1.0 mg/ml                             |
| <b>Storage</b>       | Store at 4C. Do not freeze.           |
| <b>Clonality</b>     | Polyclonal                            |
| <b>Preservative</b>  | 0.09% Sodium Azide                    |
| <b>Isotype</b>       | IgG                                   |
| <b>Purity</b>        | Immunogen affinity purified           |
| <b>Buffer</b>        | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

**Product Description**

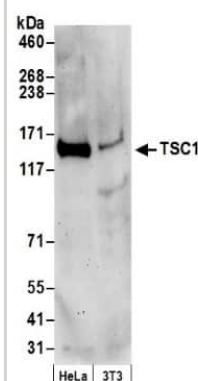
|                    |   |
|--------------------|---|
| <b>Host</b>        | Rabbit  |
| <b>Gene ID</b>     | 7248  |
| <b>Gene Symbol</b> | TSC1  |
| <b>Species</b>     | Human, Mouse  |
| <b>Immunogen</b>   | The immunogen recognized by this antibody maps to a region between residue 1100 and the C-terminus (residue 1164) of human tuberous sclerosis 1 using the numbering given in Swiss-Prot entry Q92574 (GeneID 7248). |

**Product Application Details**

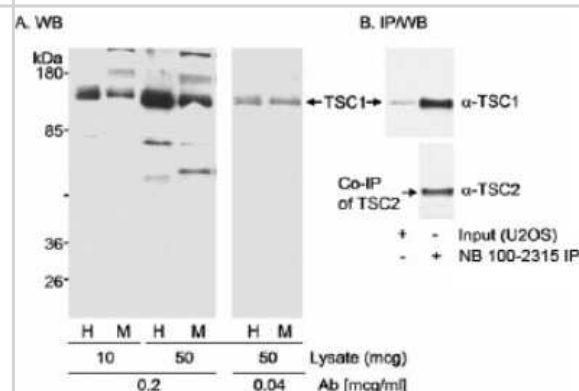
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunoprecipitation                                 |
| <b>Recommended Dilutions</b> | Western Blot 1:5000-1:25000, Immunoprecipitation 1-5 ug/mg lysate |

**Images**

Western Blot: TSC1 Antibody [NB100-2315] - Detection of Human and Mouse TSC1 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-TSC1 antibody NB100-2315 used for WB at 0.05 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot: TSC1 Antibody [NB100-2315] - Detection of Human and Mouse TSC1 on HeLa whole cell lysate using NB100-2315.



## Publications

Miceli AP, Saporita AJ, Weber JD et al. Hypergrowth mTORC1 signals translationally activate the ARF tumor suppressor checkpoint. *Mol Cell Biol* 2012-01-01 [PMID: 22064482]

Bateup HS, Takasaki KT, Saulnier JL et al. Loss of Tsc1 in vivo impairs hippocampal mGluR-LTD and increases excitatory synaptic function. *J Neurosci* 2011-06-01 [PMID: 21677170]

Bartolome A, Guillen C, Benito M et al. Role of the TSC1-TSC2 complex in the integration of insulin and glucose signaling involved in pancreatic beta-cell proliferation. *Endocrinology* 2010-07-01 [PMID: 20427478]





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### **Products Related to NB100-2315**

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|            |   |
|------------|---|
| NBL1-17350 | TSC1 Overexpression Lysate                          |
| HAF008     | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160     | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit 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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