

# Product Datasheet

## TSC1 Antibody - BSA Free NB100-2315

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 3

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**NB100-2315**

TSC1 Antibody - BSA Free

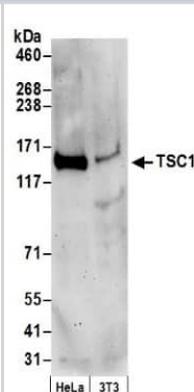
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	7248
Gene Symbol	TSC1
Species	Human, Mouse
Immunogen	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).

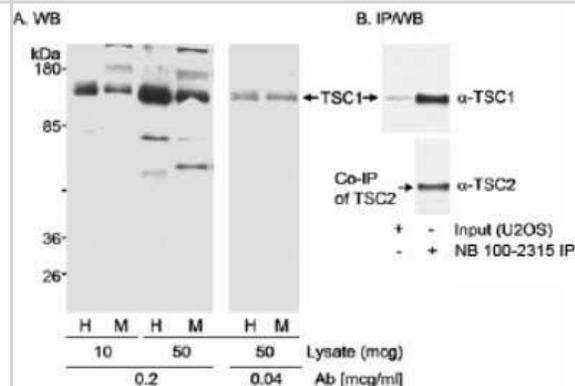
Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000-1:25000, Immunoprecipitation 1-5 ug/mg lysate

**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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