

NARG1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_476516.1

Catalog No. A302-147A

GeneID 80155

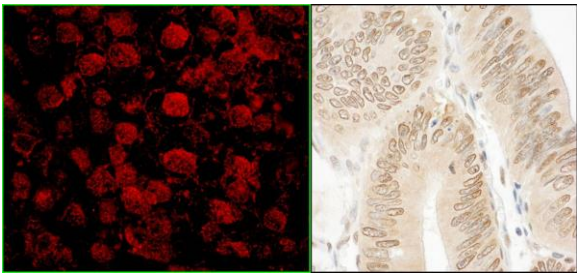
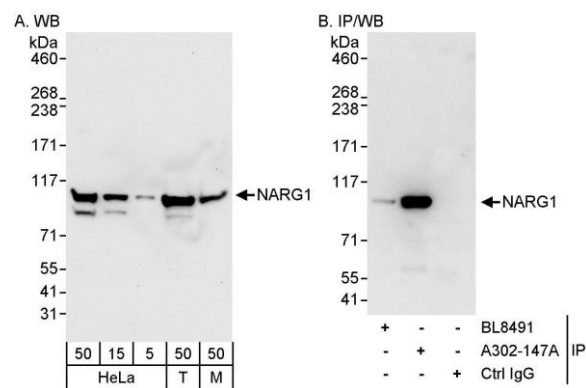
Lot No. A302-147A-1



APPLICATIONS	WB, IP, IHC, IHC-IF								
SPECIES REACTIVITY	Human, Mouse								
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan								
AMOUNT	100 µl								
CONCENTRATION	200 µg/ml								
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt								
PHYSICAL STATE	Liquid								
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide								
ISOTYPE	IgG								
ORIGIN	USA								
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to NARG1 immobilized on solid support.</p> <p>The epitope recognized by A302-147A maps to a region between residue 816 and 866 of human NMDA receptor regulated 1 using the numbering given in entry NP_476516.1 (GeneID 80155).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>								
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:2,000 – 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>2 – 5 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr><tr><td>Immunofluorescence (IHC)</td><td>1:50 – 1:250</td></tr></table>	Western Blot	1:2,000 – 1:10,000	Immunoprecipitation	2 – 5 µg/mg lysate	Immunohistochemistry	1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.	Immunofluorescence (IHC)	1:50 – 1:250
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APPLICATION NOTES	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>								
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma								
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A302-147A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>								

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human and mouse NARG1 by western blot (h&m) and immunoprecipitation (h). *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and mouse NIH 3T3 (M; 50µg) cells. *Antibodies:* Affinity purified rabbit anti-NARG1 antibody A302-147A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. NARG1 was also immunoprecipitated, albeit poorly, by rabbit anti-NARG1 antibody BL8491, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 10 seconds (A and B).

Detection of human NARG1 by immunohistochemistry. *Sample:* FFPE sections of human testicular seminoma (left) and colon carcinoma (right). *Antibody:* Affinity purified rabbit anti-NARG1 (Cat. No. A302-147A Lot1) used at a dilution of 1:80 (2.5 µg/ml) and 1:200 (1µg/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG-heavy and light chain, cross-adsorbed Antibody DyLight® 594 Conjugated used at a dilution of 1:100 and DAB.