GNL3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-599A

Lot No. A300-599A-1

Protein ID NP_055181.3

GeneID 26354

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Horse, Orangutan, Monkey, Gorilla and Chimpanzee
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	Antibody was affinity purified using an epitope specific to GNL3 immobilized on solid support. The epitope recognized by A300-599A maps to a region between residues 1 and 50 of human Guanine Nucleotide Binding Protein-Like 3 (Nucleostemin) using the numbering given in entry NP_055181.3 (GeneID 26354). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

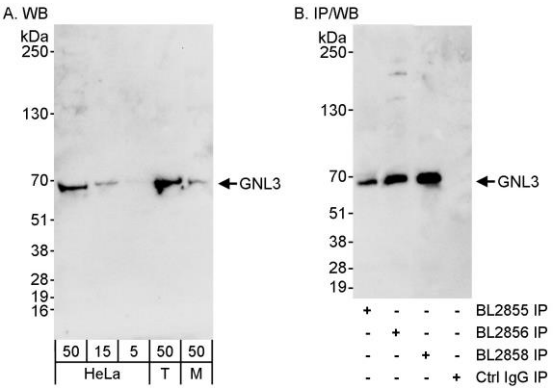
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	1 - 4 µg/mg lysate
Immunohistochemistry	1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	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 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Ovarian Carcinoma, Prostate Carcinoma, Skin Basal Cell Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-599A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

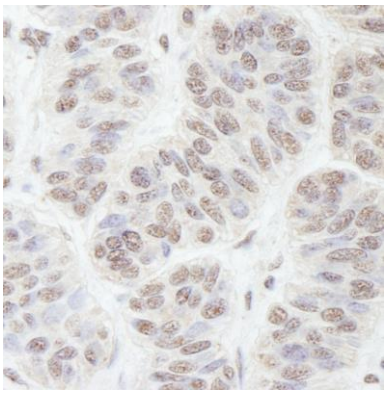
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human and mouse GNL3 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 3T3 (M, 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-GNL3 antibody BL2856 (Cat. No. A300-599A) used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate (B). GNL3 was also immunoprecipitated using rabbit anti-GNL3 antibodies BL2855 and BL2858 (Cat. No. A300-600A). *Detection:* Chemiluminescence with exposure times of 10 seconds (A and B).



Detection of human GNL3 by immunohistochemistry. *Sample:* FFPE section of human skin carcinoma. *Antibody:* Affinity purified rabbit anti-GNL3 (Cat. No. A300-599A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB