NIF1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-798A

Lot No. A300-798A-1

Protein ID NP_071378.1

GeneID 63925

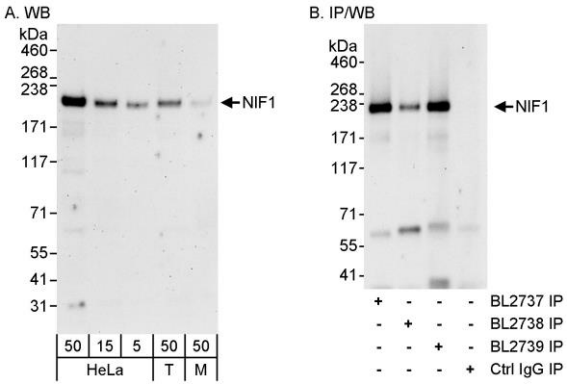
APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to NIF1 immobilized on solid support. The epitope recognized by A300-798A maps to a region between residue 1300 and the C-terminus (residue 1342) of human NRC-Interacting Factor 1 using the numbering given in entry NP_071378.1 (GeneID 63925). 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	2 - 5 µg/mg lysate
Immunohistochemistry	1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

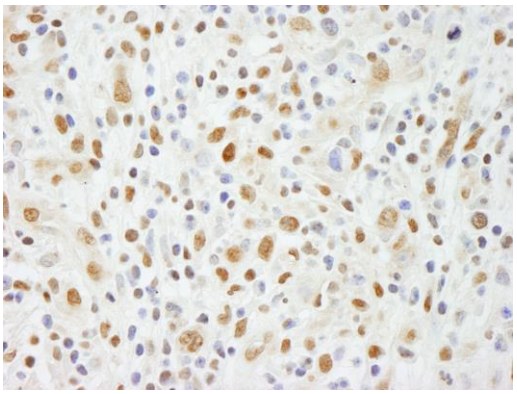
APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Anaplastic Thyroid Carcinoma, Breast Carcinoma, Hodgkins Lymphoma, Ovarian Carcinoma, Small Cell Lung Cancer
IHC MOUSE CONTROLS	Squamous Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-798A 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 NIF1 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; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-NIF1 antibody BL2739 (Cat. No. A300-798A) used for WB at 0.04 µg/ml (A) and at 1 µg/ml (B) and used for IP at 3 µg/mg lysate (B). NIF1 was also immunoprecipitated by rabbit anti-NIF1 antibodies BL2737 (Cat. No. A300-797A) and BL2738. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



Detection of human NIF1 by immunohistochemistry. *Sample:* FFPE section of human Hodgkin's lymphoma. *Antibody:* Affinity purified rabbit anti- NIF1 (Cat. No. A300-798A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB