HMGN1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A302-363A

Lot No. A302-363A-1

Protein ID NP_004956.5

GeneID 3150

APPLICATIONS	WB, IP, IHC, IHC-IF
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to HMGN1 immobilized on solid support. The epitope recognized by A302-363A maps to a region between residue 90 and 100 of human high-mobility group nucleosome binding domain 1 using the numbering given in entry NP_004956.5 (GeneID 3150). Antibody 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.

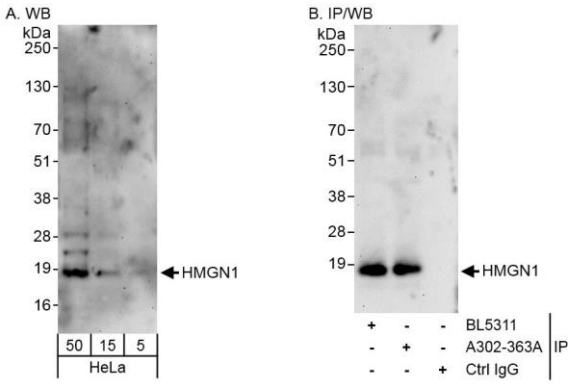
Western Blot	1:1,000 - 1:5,000
Immunoprecipitation	5 - 10 µg/mg lysate
Immunohistochemistry	1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunofluorescence (IHC)	1:1,000 - 1:5,000

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 4-12% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Renal Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A302-363A 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

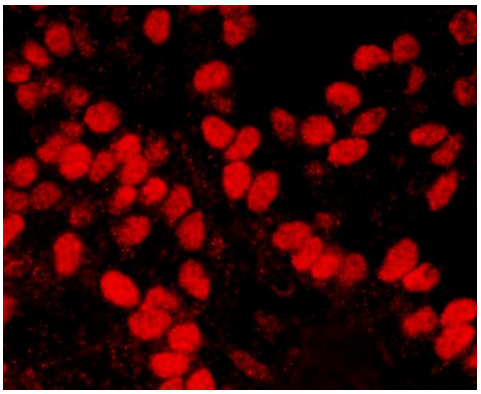
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

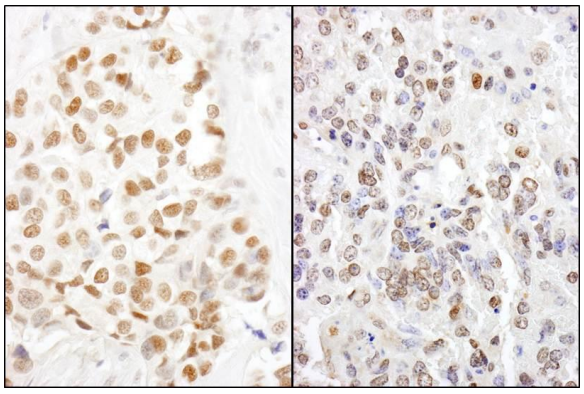
Date: June 21, 2019



Detection of human HMGN1 by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-HMGN1 antibody A302-363A used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 10 µg/mg lysate. HMGN1 was also immunoprecipitated by rabbit anti-HMGN1 antibody BL5311, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minute (A) and 30 seconds (B).



Detection of human HMGN1 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-HMGN1 (Cat. No. A302-363A Lot1) used at a dilution of 1:2,000 (0.5 µg/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 (5µg/ml) .



Detection of human and mouse HMGN1 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma (left) and mouse teratoma (right). *Antibody:* Affinity purified rabbit anti-HMGN1 (Cat. No. A302-363A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB