

ATM Antibody

Goat Polyclonal

Antigen Affinity Purified

Catalog No. A300-135A

Lot No. A300-135A-2

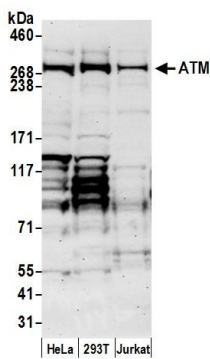
Protein ID NP_000042.2

GeneID 472

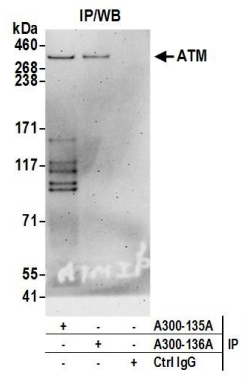


APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to ATM immobilized on solid support.</p> <p>The epitope recognized by A300-135A maps to a region between residues 1750 and 1800 of human Ataxia Telangiectasia Mutated using the numbering given in entry NP_000042.2 (GeneID 472).</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> <p>Western Blot 1:1,000 – 1:5,000</p> <p>Immunoprecipitation 2 – 5 µg/mg lysate</p>
APPLICATION NOTES	Western blot of lysates performed using standard western blot reagents and 3–8% SDS-PAGE.
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-135A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</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 ATM by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified goat anti-ATM antibody A300-135A (lot A300-135A-2) used for WB at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



Detection of human ATM by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified goat anti-ATM antibody A300-135A (lot A300-135A-2) used for IP at 3 µg per reaction. ATM was also immunoprecipitated by goat anti-ATM antibody A300-136A. For blotting immunoprecipitated ATM, A300-135A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.