

# Product Datasheet

## ATM Antibody - BSA Free NB100-271

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 4

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**NB100-271**

ATM Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	351 kDa

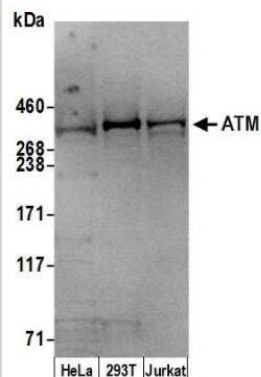
Product Description	
Host	Goat
Gene ID	472
Gene Symbol	ATM
Species	Human
Immunogen	Region between residues 2550 and 2600 of human ATM (Ataxia Telangiectasia Mutated)

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Western blot. Suggested Working Dilutions: WB - 1:2,500 to 1:10,000 IHC, ICC - Not Determined

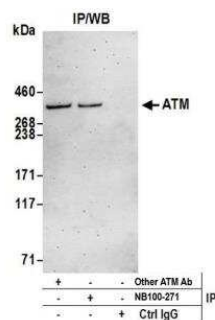


## Images

**Western Blot: ATM Antibody [NB100-271] - Detection of human ATM by western blot.** Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified goat ATM antibody [NB100-271] used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds. Observed molecular weight ~360 kDa. Theoretical molecular weight 351 kDa.



**Immunoprecipitation: ATM Antibody [NB100-271] - 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 ATM antibody [NB100-271] used for IP at 3 ug per reaction. ATM was also immunoprecipitated by another goat anti-ATM antibody from Company B. For blotting immunoprecipitated ATM, ATM antibody [NB100-271] was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Fox JT, Sakamuru S, Huang R et al. High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. *Proc Natl Acad Sci U S A* 2012-04-01 [PMID: 22431602]

Lee KJ, Lin YF, Chou HY et al. Involvement of DNA-dependent protein kinase in normal cell cycle progression through mitosis. *J Biol Chem* 2011-04-01 [PMID: 21330363]

Hurov KE, Cotta-Ramusino C, Elledge SJ et al. A genetic screen identifies the Triple T complex required for DNA damage signaling and ATM and ATR stability. *Genes Dev* 2010-09-01 [PMID: 20810650]

Kirshner J, Jobling MF, Pajares MJ et al. Inhibition of transforming growth factor-beta1 signaling attenuates ataxia telangiectasia mutated activity in response to genotoxic stress. *Cancer Res* 2006-11-01 [PMID: 17090522]



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### Products Related to NB100-271

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00000472-Q01-10ug	Recombinant Human ATM GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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