

Product Datasheet

ATM Antibody - BSA Free NB100-678

Unit Size: 100 ul

Store at 4C. Do not freeze.

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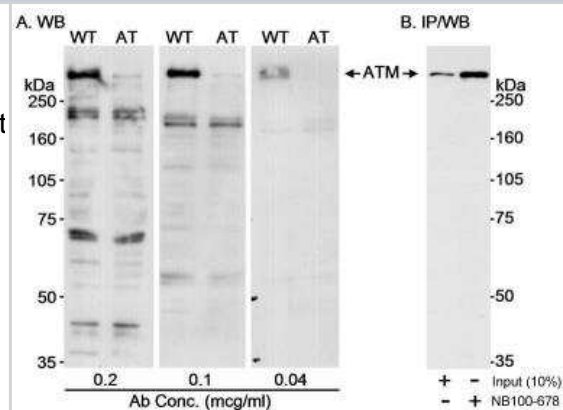
NB100-678

ATM Antibody - BSA Free

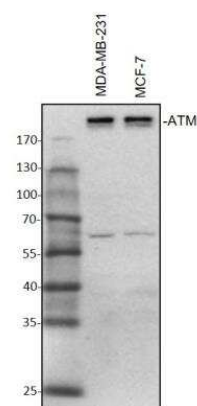
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7 - 8)
Target Molecular Weight	351 kDa
Product Description	
Host	Rabbit
Gene ID	472
Gene Symbol	ATM
Species	Human
Immunogen	ATM Antibody was made to a region between residues 2550 and 2600 of human ataxia telangiectasia mutated using the numbering given in SwissProt entry Q13315 (GeneID 472).
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000 - 1:25000, Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 3 - 7 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000
Application Notes	Epitope retrieval is not recommended. ATM antibody validated for WB from a verified customer review.

Images

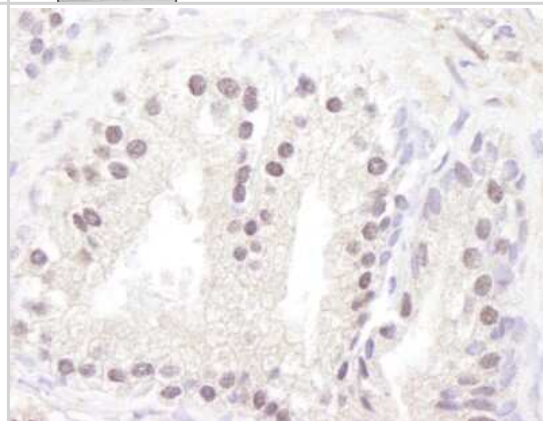
Western Blot: ATM Antibody [NB100-678] - Samples: A) Whole cell lysate (50 ug) from human L-40 (WT) or AT-59 (AT) cells. B) Whole cell lysate (1 mg) from WT cells. Antibody: Affinity purified rabbit ATM antibody [NB100-678] used at the indicated concentrations for WB and at 0.5 ug/mg lysate for IP. Immunoprecipitated ATM was blotted with a monoclonal antibody to ATM. Detection: Chemiluminescence with an exposure time of 30 seconds. Observed molecular weight ~370 kDa. Theoretical molecular weight 351 kDa.



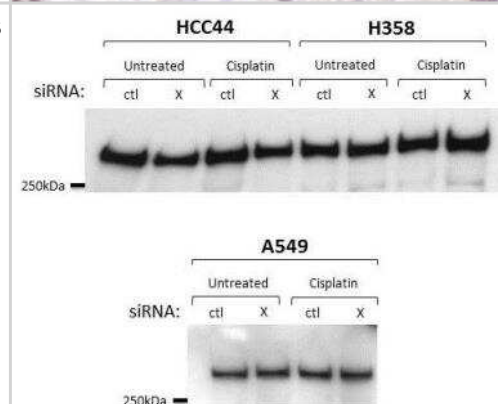
Western Blot: ATM Antibody [NB100-678] - MDA-MB-231 and MCF-7 whole cell lysates were loaded with 50 ug/lane. 8% SDS-PAGE. ATM Antibody (NB100-678) primary antibody at 1:1000, 4C, overnight. Western blot image submitted by a verified customer review.



Immunohistochemistry: ATM Antibody [NB100-678] - FFPE section of human prostate-nodular hypertrophy. Affinity purified rabbit [NB100-678] used at a dilution of 1:1000 (1ug/mL). Detection: DAB staining using Immunohistochemistry Accessory Kit .



Western Blot: ATM Antibody [NB100-678] - Analysis in whole cell lysates from human lung cancer lines with [NB100-678]. Theoretical molecular weight 351 kDa. Western blot image submitted by a verified customer review.



Publications

Serrano MA, Li Z, Dangeti M et al. DNA-PK, ATM and ATR collaboratively regulate p53-RPA interaction to facilitate homologous recombination DNA repair. *Oncogene* 2012-07-01 [PMID: 22797063]

Prasad RY, Chastain PD, Nikolaishvili-Feinberg N et al. Titanium dioxide nanoparticles activate the ATM-Chk2 DNA damage response in human dermal fibroblasts. *Nanotoxicology* 2012-08-01 [PMID: 22770119]





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Products Related to NB100-678

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000472-Q01-10ug	Recombinant Human ATM GST (N-Term) Protein

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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