Product Datasheet

ATM [p Ser1981] Antibody (EP1890Y)
NB110-66655

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 16

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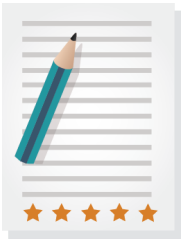

NB110-66655

ATM [p Ser1981] Antibody (EP1890Y)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EP1890Y
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Tissue culture supernatant
Buffer	49% PBS, 0.05% BSA and 50% Glycerol
Target Molecular Weight	351 kDa

Product Description	
Host	Rabbit
Gene ID	472
Gene Symbol	ATM
Species	Human
Reactivity Notes	Cross reactivity determined by Western Blot only.
Immunogen	A synthetic peptide corresponding to residues surrounding serine 1981 of human ATM was used as an immunogen.
Notes	Produced using Abcam's RabMab® technology. RabMab® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-10000, Immunohistochemistry 1:100-250, Immunocytochemistry/ Immunofluorescence 1:100-250, Immunoprecipitation 1:40, Immunohistochemistry-Paraffin 1:100-250
Application Notes	Simple Western reported by an internal validation. Separated by Size-Jess/Wes, Sally Sue/Peggy Sue, antibody dilution of 1:100.

Publications

Lesport E, Ferster A, Biver A, Roch B. Reduced recruitment of 53BP1 during interstrand crosslink repair is associated with genetically inherited attenuation of mitomycin C sensitivity in a family with Fanconi anemia. Oncotarget. 2018-01-09 [PMID: 29423082] (WB, Human)

Vermezovic J, Adamowicz M, Santarpia L et al. Notch is a direct negative regulator of the DNA-damage response Nat. Struct. Mol. Biol. 2015-04-20 [PMID: 25895060] (WB, IHC-P, Human)

White JS, Choi S, Bakkenist CJ et al. Transient ATM kinase inhibition disrupts DNA damage-induced sister chromatid exchange. Sci Signal 2010-06-01 [PMID: 20516478] (WB)

Togano T, Sasaki M, Watanabe M et al. Induction of oncogene addiction shift to NF-kappaB by camptothecin in solid tumor cells. Biochem Biophys Res Commun 2009-12-01 [PMID: 19778522] (WB)

Goff JP, Shields DS, Seki M et al. Lack of DNA polymerase theta (POLQ) radiosensitizes bone marrow stromal cells in vitro and increases reticulocyte micronuclei after total-body irradiation. Radiat Res 2009-08-01 [PMID: 19630521] (IP)

Huang SM, Lu KT, Wang YC et al. ATM/ATR and SMAD3 pathways contribute to 3-indole-induced G? arrest in cancer cells and xenograft models. Anticancer Res 2011-01-01 [PMID: 21273599] (ICC/IF)

Gagou ME, Zuazua-Villar P, Meuth M et al. Enhanced H2AX phosphorylation, DNA replication fork arrest, and cell death in the absence of Chk1. Mol Biol Cell 2010-03-01 [PMID: 20053681] (ICC/IF)

Kobayashi J, Kato A, Ota Y et al. Bisbenzamidine derivative, pentamidine represses DNA damage response through inhibition of histone H2A acetylation. Mol Cancer 2010-02-01 [PMID: 20144237] (ICC/IF)

Williamson CT, Muzik H, Turhan AG et al. ATM deficiency sensitizes mantle cell lymphoma cells to poly(ADP-ribose) polymerase-1 inhibitors. Mol Cancer Ther 2010-02-01 [PMID: 20124459] (ICC/IF)

Pires IM, Bencokova Z, Milani M et al. Effects of acute versus chronic hypoxia on DNA damage responses and genomic instability. Cancer Res 2010-02-01 [PMID: 20103649] (ICC/IF)

Noon AT, Shibata A, Rief N et al. 53BP1-dependent robust localized KAP-1 phosphorylation is essential for heterochromatic DNA double-strand break repair. Nat Cell Biol 2010-02-01 [PMID: 20081839] (ICC/IF)

Bensimon A, Schmidt A, Ziv Y et al. ATM-dependent and -independent dynamics of the nuclear phosphoproteome after DNA damage. Sci Signal 2010-12-01 [PMID: 21139141] (ICC/IF)

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