Product Datasheet

ATM [p Ser1981] Antibody (7C10D8)
NB600-622

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 5

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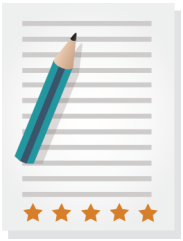

NB600-622

ATM [p Ser1981] Antibody (7C10D8)

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7C10D8
Preservative	0.01% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	20mM Potassium Phosphate (pH 7.2) and 0.15M NaCl

Product Description	
Host	Mouse
Gene ID	472
Gene Symbol	ATM
Species	Human, Mouse
Reactivity Notes	Cross-reacts with Human and mouse.
Specificity/Sensitivity	This monoclonal anti-ATM recognizes the phosphorylated epitope in native and overexpressed proteins found in various tissues and extracts.
Immunogen	Corresponds to amino acids 1974-1988.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500- 1:2000, ELISA 1:10000 - 1:50000, Immunohistochemistry 1:100 - 1:500, Immunohistochemistry-Paraffin
Application Notes	This antibody clone has been optimized for IHC, but may also be used for western blotting, immunoprecipitation or immunofluorescence microscopy. Indirect immunoperoxidase staining on formaldehyde-fixed, de-paraffinized tissue sections and/or formalin-fixed cultured cells are recommended when using this antibody as described in Bartkova et al 2005. NB 600-621 produced from clone 10H11.E12 has been optimized for WB, IP and IF.

Publications

Bartkova J, Bakkenist CJ, Rajpert-De Meyts E et al. ATM activation in normal human tissues and testicular cancer. Cell Cycle 2005-06-01 [PMID: 15846060]

Bakkenist CJ, Kastan MB, et al. DNA damage activates ATM through intermolecular autophosphorylation and dimer dissociation. Nature 2003-01-01 [PMID: 12556884]

Bartkova J, Horejsí Z, Koed K et al. DNA damage response as a candidate anti-cancer barrier in early human tumorigenesis. Nature 2005-04-01 [PMID: 15829956]

Falck J, Coates J, Jackson SP et al. Conserved modes of recruitment of ATM, ATR and DNA-PKcs to sites of DNA damage. Nature 2005-03-01 [PMID: 15758953]

Kitagawa R, Bakkenist CJ, McKinnon PJ et al. Phosphorylation of SMC1 is a critical downstream event in the ATM-NBS1-BRCA1 pathway. Genes Dev 2004-06-01 [PMID: 15175241]

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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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