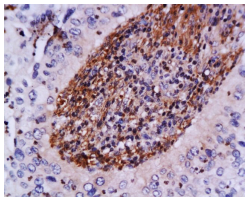
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

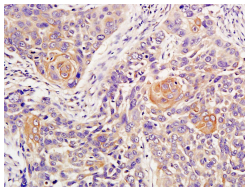
ATM Rabbit pAb

Catalog Number:	bs-1370R
Target Protein:	ATM
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1μg/Test)
Reactivity:	Human (predicted:Mouse, Rat)
Predicted MW:	370 kDa
Subcellular Locations:	Cytoplasm ,Nucleus
Entrez Gene:	472
Swiss Prot:	Q13315
Source:	KLH conjugated synthetic peptide derived from human ATM: 2681-2750/3066.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	ATM is a 370 kDa nuclear phosphoprotein involved in the autosomal recessive disease Ataxia Telangiectasia (AT). ATM belongs to a novel family of proteins associated with cell cycle regulation, apoptosis, and response to DNA damage repair (DNA damage caused by such things as ionizing irradiation activates ATM kinase). The C terminal region has extensive homology to the catalytic domains of Phosphatidylinositol 3 kinases (PI3 kinases).

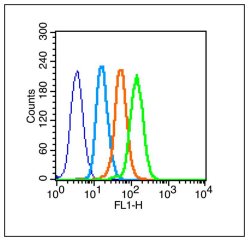
VALIDATION IMAGES



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ATM Polyclonal Antibody, Unconjugated(bs-1370R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ATM Polyclonal Antibody, Unconjugated(bs-1370R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): Hela (blue). Primary Antibody (green line): Rabbit Anti- ATM antibody (bs-1370R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 20 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.5] Huang Wenyong. et al. Enhanced boron neutron capture therapy (BNCT) through controlled drug release via boron-loaded nanofiber mats. NANO RES. 2024 Jun;:1-14 WB ; Human . 10.1007/s12274-024-6721-3

[IF=2.74] Liu, Jianhui, et al. "Silica nanoparticle exposure inducing granulosa cell apoptosis and follicular atresia in female Balb/c mice." Environmental Science and Pollution Research (2017): 1-12. WB ; ="Mouse" . 29151191

[IF=2.1] Xiuying Wang. et al. Antitumor effects of aconitine in A2780 cells via estrogen receptor β-mediated apoptosis, DNA damage and migration. Mol Med Rep. 2020 Sep;22(3):2318-2328 WB ; Human . 32705198