

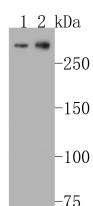
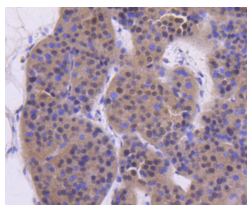
bsm-52360R**[Primary Antibody]****Bioss**
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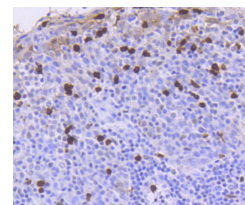
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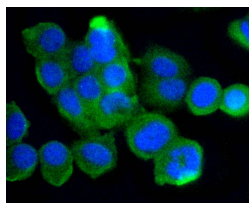
400-901-9800

ATM Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 472**Target:** ATM**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**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).**Isotype:** IgG**CloneNo.:** 12A**SWISS:** Q13315**Applications:** **WB** (1:500-2000)
IHC-P (1:50-200)
IHC-F (1:400-800)
IF (1:50-200)
ICC/IF (1:50)**Reactivity:** Human**Predicted MW.:** 370 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**Sample: Lane 1: AGS cell lysate Lane 2: CRC cell lysate
Primary: Anti-ATM (bsm-52360R) at 1:500 dilution
Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution
Predicted band size: 370 kD
Observed band size: 370 kD

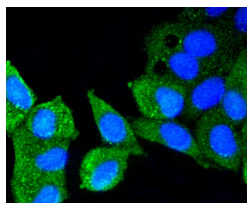
Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATM) Monoclonal Antibody, Unconjugated (bsm-52360R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATM) Monoclonal Antibody, Unconjugated (bsm-52360R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (ATM (12A)) Monoclonal Antibody, Unconjugated (bsm-52360R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (ATM (12A)) Monoclonal Antibody, Unconjugated (bsm-52360R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

— SELECTED CITATIONS —

- **[IF=6.814]** Guo-Jian Jiang. et al. Ultraviolet B irradiation induces senescence of human corneal endothelial cells in vitro by DNA damage response and oxidative stress. J PHOTOCH PHOTOBIO B. 2022 Oct;235:112568 WB ;Human. 36137302
- **[IF=5.168]** Guo-Jian Jiang. et al. Carteolol triggers senescence via activation of β -arrestin-ERK-NOX4-ROS pathway in human corneal endothelial cells in vitro. CHEM-BIOL INTERACT. 2023 Apr;;110511 WB ;Human. 37120125