

bsm-52360R**[Primary Antibody]****BioSS**
ANTIBODIES

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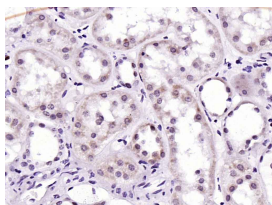
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ATM Recombinant Rabbit mAb**DATASHEET**

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 (1:50-200) IF (1:50-200) ICC/IF (1:50-200) Reactivity: Human Predicted MW.: 370 kDa Subcellular Location: Cytoplasm ,Nucleus
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VALIDATION IMAGES

Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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