

bs-2560R**[Primary Antibody]****H2AX Rabbit pAb****Bioss**
ANTIBODIES

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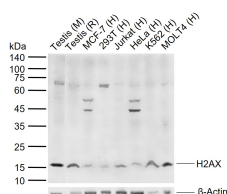
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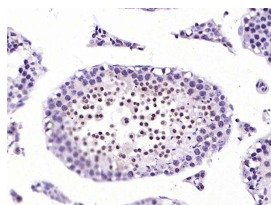
400-901-9800

DATASHEET

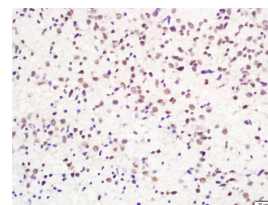
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:400-800) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 16 kDa Observed MW.: 16 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 3014	SWISS: P16104	
Target: H2AX		
Immunogen: KLH conjugated synthetic peptide derived from human H2AX: 30-143/143.		
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: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Jul 2008].		

VALIDATION IMAGES

Sample: Lane 1: Mouse Testis tissue lysates
Lane 2: Rat Testis tissue lysates
Lane 3: Human MCF-7 cell lysates
Lane 4: Human 293T cell lysates
Lane 5: Human Jurkat cell lysates
Lane 6: Human HeLa cell lysates
Lane 7: Human K562 cell lysates
Lane 8: Human MOLT4 cell lysates
Primary: Anti-H2AX (bs-2560R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 16 kDa
Observed band size: 16 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (Histone H2A.x) Polyclonal Antibody, Unconjugated (bs-2560R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human glioma tissue; 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-H2AX/Histone H2A.x Polyclonal Antibody, Unconjugated(bs-2560R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=8.9]** Xin-Meng Zhou. et al. Naringenin boosts Parkin-mediated mitophagy via estrogen receptor alpha to maintain mitochondrial quality control and heal diabetic foot ulcer. J PHARM ANAL. 2025 May;;101333 WB ;Human. 10.1016/j.jpha.2025.101333
- **[IF=8.2]** Adilet Beishenaliev. et al. Ultrasmall Gold Nanoparticles as “Three-in-One” Enzyme-Mimicking Nanocatalysts for Combined Sonodynamic/Catalytic Therapy in Breast Cancer. ACS APPL MATER INTER. 2025;XXXX(XXX):XXX-XXX WB

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

- ;Mouse. 41344600
- **[IF=7]** Zhou Qianhui. et al. DCAF13 is essential for mouse uterine function and fertility. CELL DEATH DISCOV. 2025 Aug;11(1):1-13 IHC ;Mouse. 40750792
 - **[IF=6.895]** Fangmei Zhang. et al. X-ray-triggered NO-released Bi-SNO nanoparticles: all-in-one nano-radiosensitizer with photothermal/gas therapy for enhanced radiotherapy. 2020 Aug 31 IF ;Human. 32935695
 - **[IF=6.6]** Gaizhen Kuang. et al. Stimuli-Responsive Nodal Dual-Drug Polymer Nanoparticles for Cancer Therapy. INT J NANOMED. 2025 Apr IF ;Human. 40292406