

bs-1030R**[Primary Antibody]****HMGA1 Rabbit pAb****BioSS**
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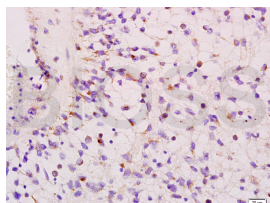
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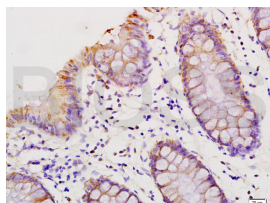
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 3159 Target: HMGA1 Immunogen: KLH conjugated synthetic peptide derived from human HMGA1: 51-107/107. 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: HMGA1 (HMG1/Y; high mobility group AT-hook 1) is a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. There are two splice isoforms of HMGA1 - the full length HMGA1a/HMG1 and the shortened form HMGA1b/HMGY. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. HMGA1 is frequently acetylated and is found in the nucleus. Interacts with HIV-1 pre-integration complex.	Isotype: IgG SWISS: P17096 Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Cow, Chicken) Predicted MW.: 12 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Tissue/cell: human colon 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-HMGA1/HMG-I/HMG-Y Polyclonal Antibody, Unconjugated(bs-1030R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) 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-HMGA1/HMG-I/HMG-Y Polyclonal Antibody, Unconjugated(bs-1030R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=6.691]** Jiang, Yiming. et al. Induction of Sestrin2 by pterostilbene suppresses ethanol-triggered hepatocyte senescence by degrading CCN1 via p62-dependent selective autophagy. 2021 Aug 17 IF ;Mouse. 34405320
- **[IF=4.741]** Wang Shidong. et al. LncRNA CASC19 promotes gastric cancer progression through preventing CREB1 protein ubiquitin/proteasome-dependent degradation. CARCINOGENESIS. 2023 Jan; ;WB ;Human. 36651836

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

- **[IF=2.43]** Uchikura, Yuka, et al. "Extranuclear Translocation of High-Mobility Group A1 Reduces the Invasion of Extravillous Trophoblasts Involved in the Pathogenesis of Preeclampsia: New Aspect of High-Mobility Group A1." *Reproductive Sciences* (2017): 1933719117697254. IHC ;="Human, Mouse". 28345487