

bsm-52111R**[Primary Antibody]****Bioss**
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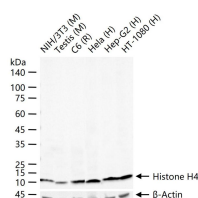
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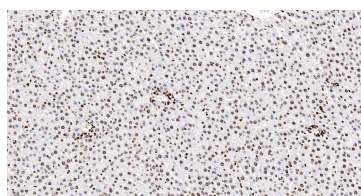
400-901-9800

Histone H4 Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 2G2**GeneID:** 121504**SWISS:** P62805**Target:** Histone H4**Immunogen:** A synthesized peptide derived from human Histone H4: 80-103/103.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

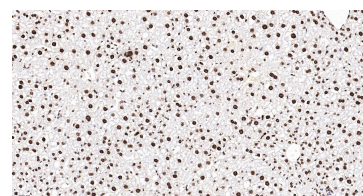
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Jul 2008]**Applications:** WB (1:500-2000)**IHC-P** (1:200-1000)**IHC-F** (1:200-1000)**IF** (1:200-1000)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 11 kDa**Observed MW.:** 11 kDa**Subcellular Location:** Nucleus**VALIDATION IMAGES**

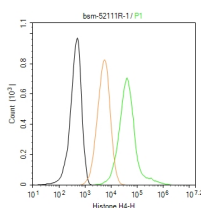
25 ug total protein per lane of various lysates (see on figure) probed with Histone H4 monoclonal antibody, unconjugated (bsm-52111R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Histone H4 Monoclonal Antibody, Unconjugated (bsm-52111R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Histone H4 Monoclonal Antibody, Unconjugated (bsm-52111R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for

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

40 min at room temperature. Primary Antibody
(green): Rabbit Anti-Histone H4 antibody
(bsm-52111R); 1 $\mu\text{g}/10^6$ cells; Isotype Control
(orange): Rabbit IgG (bs-0295P). Blank control
(black): PBS. Acquisition of 20,000 events was
performed.