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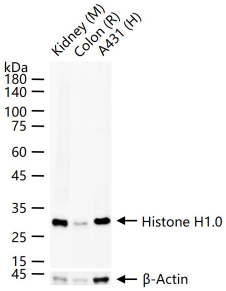
Histone H1.0 Recombinant Rabbit mAb

Catalog Number:	bsm-52095R
Target Protein:	Histone H1.0
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:50-200), IF (1:50-200), ICC/IF (1:50-200)
Reactivity:	Human, Mouse, Rat
Predicted MW:	21 kDa
Subcellular Locations:	Cytoplasm ,Nucleus
Entrez Gene:	3005
Swiss Prot:	P07305
Source:	A synthesized peptide derived from human Histone H1.0: 1-48/194.
Purification:	affinity purified by Protein A
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 replication-independent histone that is a member of the histone H1 family. [provided by RefSeq, Oct 2015]

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Histone H1.0 monoclonal antibody, unconjugated (bsm-52095R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

PRODUCT SPECIFIC PUBLICATIONS

[IF=2.21] Qiangbin Zhu. et al. Expression of histone H1 in rats with traumatic brain injury and the effect of the NLRP3 inflammasome pathway. WORLD NEUROSURG. 2022 Dec;: WB ; Rat . 36509326