
Product Name: KD-Validated Histone H1.0 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01812

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 20.9kDa

Antigen Information

Gene Name	H1-0
Alternative Names	H1-0; H1.0 Linker Histone; H1.0; H1F0; H1FV; H1 Histone Family Member 0; H1.0, H1(0), H1-0; Histone H1(0); Histone H1.0; Histone H1'; H1 Histone Family, Member 0; H10
Gene ID	3005.0
SwissProt ID	P07305
Immunogen	A synthesized peptide derived from human Histone H1.0

Background

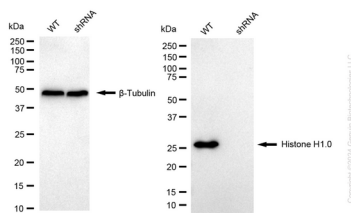
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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]

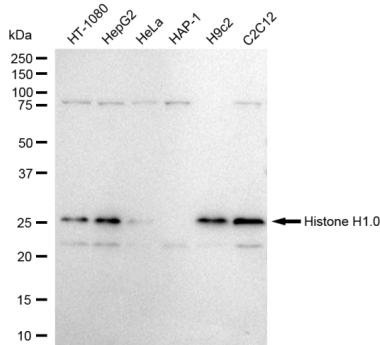
Research Area

Epigenetics and Nuclear Signaling

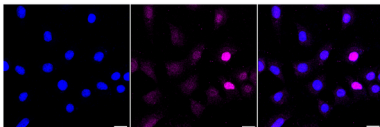
Image Data



Western blotting analysis using histone H1.0 antibody (KVA01812). Histone H1.0 expression in wild-type (WT) and H1-0 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with histone H1.0 antibody (KVA01812, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. H1-0, H1.0 Linker Histone.



Western blotting analysis using Histone H1.0 antibody (KVA01812). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Histone H1.0 antibody (KVA01812, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Histone H1.0 antibody (KVA01812, 1:1,000). Nuclei were stained blue with DAPI; Histone H1.0 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.