



Rabbit Anti-Histone H1.0 antibody

SL33535R

Product Name:	Histone H1.0
Chinese Name:	组蛋白H1抗体
Alias:	H1 histone family member 0; H1(0); H10; H10_HUMAN; h1f0; H1FV; Histone H1"; Histone H1(0); Histone H10; Histone H5; MGC5241; N-terminally processed.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	21kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Histone H1.0:
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:

Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.

Subcellular Location:

Nucleus. Chromosome. The RNA edited version has been localized to nuclear speckles. During mitosis, it appears in the vicinity of condensed chromosomes.

Post-translational modifications:

Phosphorylated on Ser-17 in RNA edited version.

Similarity:

Belongs to the histone H1/H5 family. Contains 1 H15 (linker histone H1/H5 globular) domain.

SWISS:

P07305

Gene ID:

3005

Database links:

[Entrez Gene: 3005](#)Human

[Entrez Gene: 14958](#)Mouse

[Entrez Gene: 24437](#)Rat

[Omin: 142708](#)Human

[SwissProt: P07305](#)Human

[SwissProt: P10922](#)Mouse

[SwissProt: P43278](#)Rat

[Unigene: 745024](#)Human

[Unigene: 24350](#)Mouse

[Unigene: 3129](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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