

ARG41930 anti-Histone H1.0 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Histone H1.0
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Histone H1.0
Species	Human
Immunogen	Synthetic peptide of Human Histone H1.0.
Conjugation	Un-conjugated
Alternate Names	Histone H1.0; H1FV; H10; 0; Histone H1; Histone H1'

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human kidney	
Observed Size	~ 28 kDa	

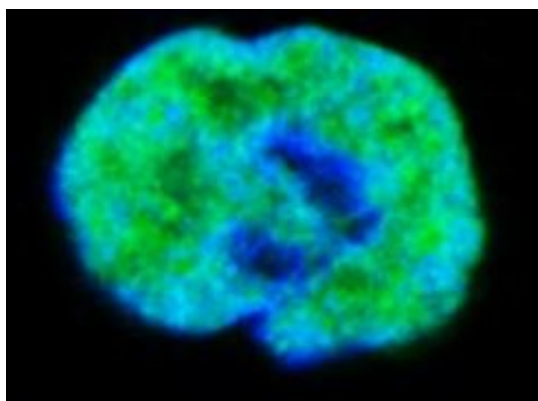
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

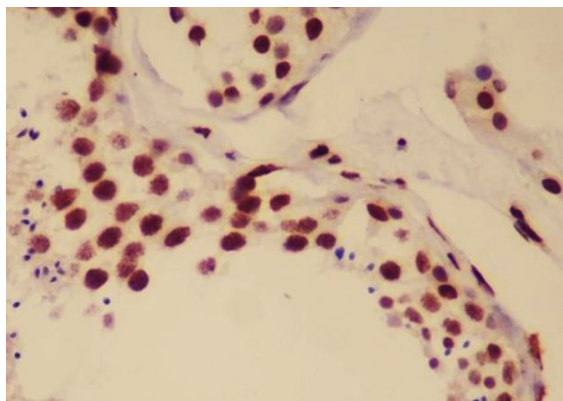
Gene Symbol	H1F0
Gene Full Name	H1 histone family, member 0
Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of 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 member of the histone H1 family. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	21 kDa
PTM	Phosphorylated on Ser-17 in RNA edited version. ADP-ribosylated on Ser-104 in response to DNA damage. [UniProt]
Cellular Localization	Nucleus. Chromosome. Note=The RNA edited version has been localized to nuclear speckles. During mitosis, it appears in the vicinity of condensed chromosomes. [UniProt]

Images



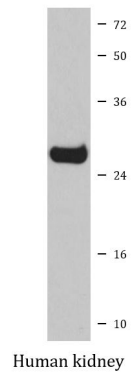
ARG41930 anti-Histone H1.0 antibody ICC/IF image

Immunofluorescence: HepG2 cells stained with ARG41930 anti-Histone H1.0 antibody.



ARG41930 anti-Histone H1.0 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue stained with ARG41930 anti-Histone H1.0 antibody.



ARG41930 anti-Histone H1.0 antibody WB image

Western blot: Human kidney lysate stained with ARG41930 anti-Histone H1.0 antibody.