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

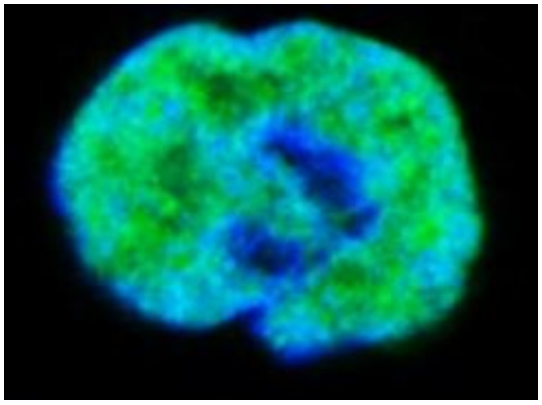
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

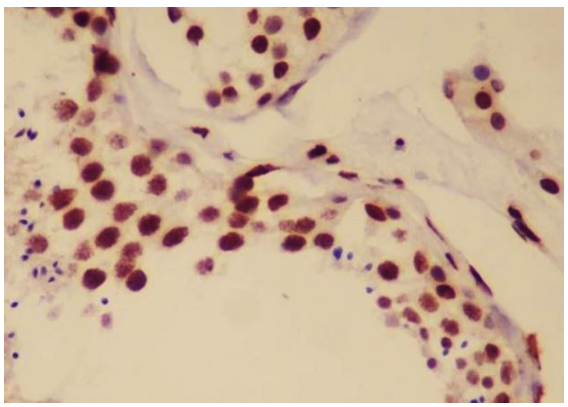
Gene Symbol	H1F0
Gene Full Name	H1 histone family, member 0
Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of 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



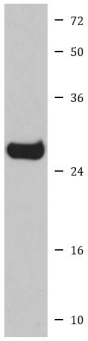
ARG41930 anti-Histone H1.0 antibody ICC/IF image

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.



Human kidney

ARG41930 anti-Histone H1.0 antibody WB image

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