

Datasheet for ABIN5539142
anti-HIST1H2AG antibody (AA 63-87)



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3 Images

Overview

Quantity:	400 µL
Target:	HIST1H2AG
Binding Specificity:	AA 63-87
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H2AG antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HIST1H2AG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 63-87 amino acids from the Central region of human HIST1H2AG.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HIST1H2AG
Alternative Name:	HIST1H2AG (HIST1H2AG Products)
Background:	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones

Target Details

thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Molecular Weight: 14 kDa

Gene ID: 8329, 8330, 8332

UniProt: [P0C0S8](#)

Application Details

Application Notes: For WB starting dilution is: 1:2000

For IHC-P starting dilution is: 1:25

For FACS starting dilution is: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

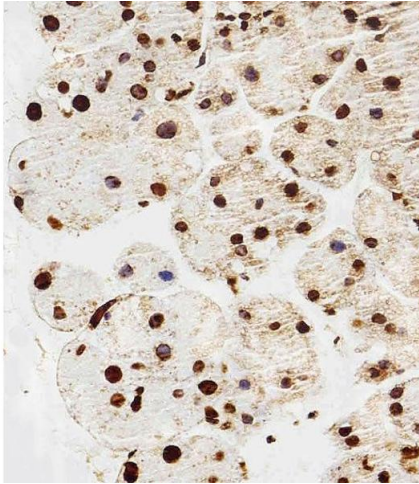
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

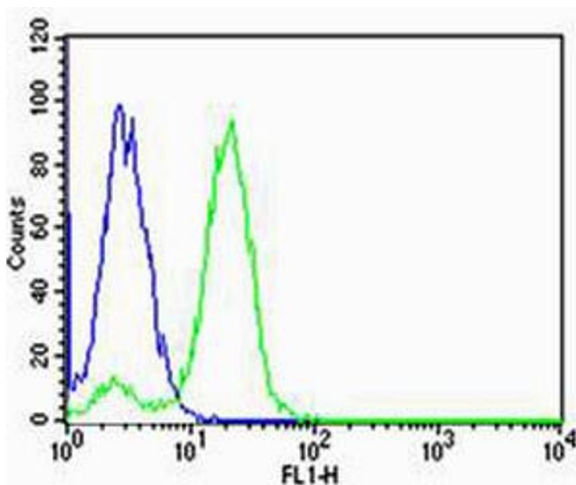
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



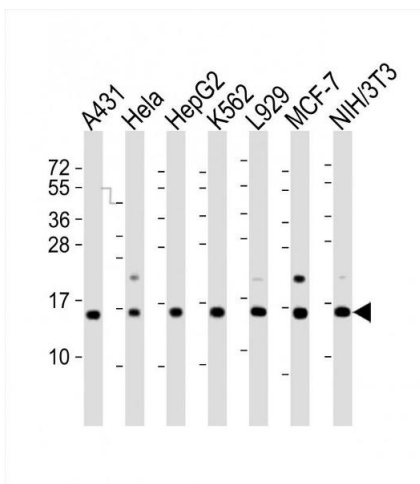
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded M. pancreas section using HIST1H2AG Antibody . Antibody was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using HIST1H2AG Antibody (green) compared to an isotype control of rabbit IgG (blue). Antibody was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western Blotting

Image 3. Western Blot at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: K562 whole cell lysate Lane 5: L929 whole cell lysate Lane 6: MCF-7 whole cell lysate Lane 7: NIH/3T3 whole cell lysate Lysates/proteins at 20 ug per lane.