

HIST1H2AG Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20584c

Specification

HIST1H2AG Antibody (Center) - Product Information

Application	WB, E
Primary Accession	POC0S8
Other Accession	P84051 , P27661 , P16104 , Q7ZUY3 , A9UMV8 , Q8R1M2 , Q4R3X5 , Q9BTM1 , P70082 , Q3ZBX9 , Q00728 , P02263 , Q4FZT6 , Q8BFU2 , Q7L7L0 , P35062 , P04912 , Q64523 , Q16777 , A1A4R1 , Q64522 , Q8IUE6 , P0CC09 , Q6GSS7 , Q6FI13 , P04911 , P06897 , P02262 , P22752 , P0C0S9 , Q8CGP7 , Q99878
Reactivity Predicted	Human, Mouse Rat, Bovine, Xenopus, Yeast, Chicken, Monkey, Zebrafish, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14091

HIST1H2AG Antibody (Center) - Additional Information

Gene ID 8329;8330;8332;8336;8969

Other Names

Histone H2A type 1, H2A1, Histone H2A/p, HIST1H2AG, H2AFP

Target/Specificity

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.

Dilution

WB~~1:2000

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HIST1H2AG Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H2AG Antibody (Center) - Protein Information

Name H2AC11 ([HGNC:4737](#))

Synonyms H2AFP, HIST1H2AG

Function 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 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.

Cellular Location

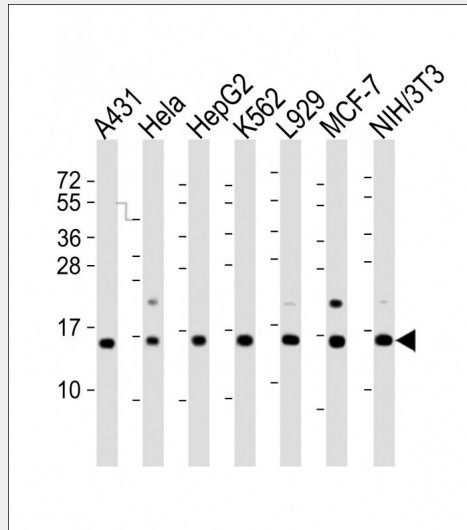
Nucleus. Chromosome.

HIST1H2AG Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HIST1H2AG Antibody (Center) - Images



All lanes : Anti-HIST1H2AG Antibody (Center) 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 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

HIST1H2AG Antibody (Center) - 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 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.

HIST1H2AG Antibody (Center) - References

- Albig W.,et al.Hum. Genet. 101:284-294(1997).
- Albig W.,et al.Biol. Chem. 380:7-18(1999).
- Dobner T.,et al.DNA Seq. 1:409-413(1991).
- Mannironi C.,et al.DNA Cell Biol. 13:161-170(1994).
- Marzluff W.F.,et al.Genomics 80:487-498(2002).