

Histone H2B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51253**Specification**

Histone H2B Antibody - Product Information

Application	WB
Primary Accession	P57053
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14 KDa
Antigen Region	1 - 60

Histone H2B Antibody - Additional Information**Gene ID** 54145**Other Names**

Histone H2B type F-S, Histone H2Bs, H2B/s, H2BFS

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2B. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Histone H2B Antibody - Protein Information**Name** H2BC12L ([HGNC:4762](#))**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

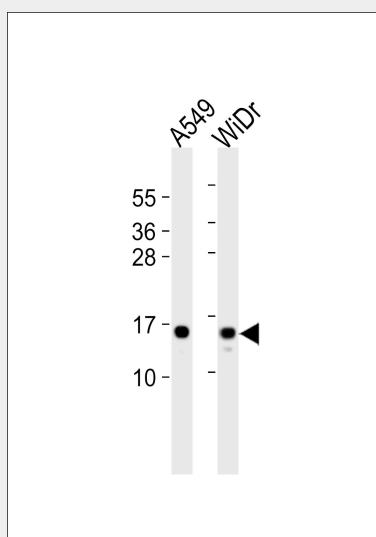
Nucleus. Chromosome.

Histone H2B Antibody - 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](#)

Histone H2B Antibody - Images



All lanes : Anti-Histone H2B Antibody at 1:1000 dilution Lane 1: A549 whole cell lysates Lane 2: WiDr whole cell lysates 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.

Histone H2B Antibody - 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.

Histone H2B Antibody - References

Shimizu N.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
Hattori M.,et al.Nature 405:311-319(2000).
Kim H.S.,et al.J. Immunol. 168:2356-2364(2002).
Frohm M.,et al.Eur. J. Biochem. 237:86-92(1996).
Tollin M.,et al.Peptides 24:523-530(2003).