

H2AFB1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15618**Specification**

H2AFB1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P0C5Y9
Other Accession	NM_001017990 , NP_001017990
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13kDa KDa

H2AFB1 Antibody - N-terminal region - Additional Information**Gene ID** 474382

Alias Symbol	H2A.Bbd
Other Names	
Histone H2A-Bbd type 1, H2A Barr body-deficient, H2A.Bbd, H2AFB1	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-H2AFB1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

H2AFB1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

H2AFB1 Antibody - N-terminal region - Protein Information**Name** H2AB1 ([HGNC:22516](#))**Function**

Atypical histone H2A which can replace conventional H2A in some nucleosomes and is associated with active transcription and mRNA processing (PubMed:22795134). 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 (PubMed:15257289, PubMed:16287874, PubMed:16957777, PubMed:16957777).

[17591702](http://www.uniprot.org/citations/17591702), PubMed: [17726088](http://www.uniprot.org/citations/17726088), PubMed: [18329190](http://www.uniprot.org/citations/18329190), PubMed: [22795134](http://www.uniprot.org/citations/22795134)). Nucleosomes containing this histone are less rigid and organize less DNA than canonical nucleosomes in vivo (PubMed: [15257289](http://www.uniprot.org/citations/15257289), PubMed: [16957777](http://www.uniprot.org/citations/16957777), PubMed: [17591702](http://www.uniprot.org/citations/17591702), PubMed: [24336483](http://www.uniprot.org/citations/24336483)). They are enriched in actively transcribed genes and associate with the elongating form of RNA polymerase (PubMed: [17591702](http://www.uniprot.org/citations/17591702), PubMed: [24753410](http://www.uniprot.org/citations/24753410)). They associate with spliceosome components and are required for mRNA splicing (PubMed: [22795134](http://www.uniprot.org/citations/22795134)).

Cellular Location

Nucleus. Chromosome Note=Associated with the active X chromosome and with autosomes, while it is absent from the inactive X chromosome and excluded from Barr bodies.

Tissue Location

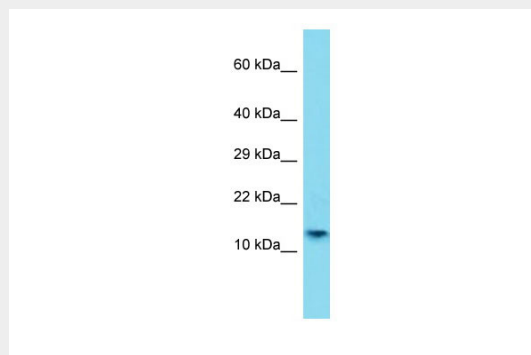
Present in mature sperm.

H2AFB1 Antibody - N-terminal region - 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](#)

H2AFB1 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: H2AFB1

Sample Tissue: A549 Whole cell lysate

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Antibody Dilution: 1.0µg/ml H2AFB1 is supported by BioGPS gene expression data to be expressed in A549

H2AFB1 Antibody - N-terminal region - References

- Naylor J.A., et al. Hum. Mol. Genet. 4:1217-1224(1995).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ross M.T., et al. Nature 434:325-337(2005).
Bao Y., et al. EMBO J. 23:3314-3324(2004).
Okuwaki M., et al. Mol. Cell. Biol. 25:10639-10651(2005).