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Histone H2A-Bbd Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56698

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P0C5Z0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12713

Additional Information

Gene ID	474381;83740
Other Names	Histone H2A-Bbd type 2/3, H2A Barr body-deficient, H2A.Bbd, H2AB2 (HGNC:18298)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	H2AB2 (HGNC:18298)
Function	Atypical histone H2A which can replace conventional H2A in some nucleosomes and is associated with active transcription and mRNA processing. 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. Nucleosomes containing this histone are less rigid and organize less DNA than canonical nucleosomes in vivo. They are enriched in actively transcribed genes and associate with the elongating form of RNA polymerase. They associate with spliceosome components and are required for mRNA splicing. May participate in spermatogenesis.
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.

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