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Zuschläge

- Mindermengenzuschlag
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Product Number	ARP58283_P050-Biotin
Product Page	www.avivasysbio.com/h2afy-antibody-middle-region-biotin-arp58283-p050-biotin.html
Name	H2AFY Antibody - middle region : Biotin (ARP58283_P050-Biotin)
Protein Size (# AA)	371 amino acids
Molecular Weight	39kDa
Conjugation	Biotin
NCBI Gene Id	9555
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	H2A histone family, member Y
Alias Symbols	H2A.y, H2A/y, H2AFY, mH2A1, H2AF12M, MACROH2A1.1, macroH2A1.2
Peptide Sequence	Synthetic peptide located within the following region: PVSKKAGGKKGARKSKQGEVSKAASADSTTEGTPADGFTVLSTKSLFLG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Bernstein,E., (2008) Proc. Natl. Acad. Sci. U.S.A. 105 (5), 1533-1538
Description of Target	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. H2AFY is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.</p> <p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
Protein Interactions	ERICH2; UBC; SUMO2; SUMO3; HIST1H3A; H3F3A; SUZ12; EED; RNF2; EZH2; BMI1; SRPK1; LMNA; ATF2; FN1; HIST1H3B; CENPA; APP; CBX5; CBX3; DIDO1; UBD; ATXN1L; NEDD8; ERBB2; SUMO1; HDGF; HDAC2; HDAC1; PARP1; tat; CUL3; SPOP; WDR77; PHF14; DEK; XRCC5; TOP1; RAN; H
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-H2AFY (ARP58283_P050-Biotin) antibody
Blocking Peptide	For anti-H2AFY (ARP58283_P050-Biotin) antibody is Catalog # AAP58283 (Previous Catalog # AAPP32882)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human H2AFY
Uniprot ID	O75367
Protein Name	Core histone macro-H2A.1
Sample Type Confirmation	H2AFY is strongly supported by BioGPS gene expression data to be expressed in HEK293T

Protein Accession #	NP_001035248
Purification	Affinity Purified
Nucleotide Accession #	NM_001040158
Gene Symbol	H2AFY
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Image 1	

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