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Zuschläge

- Mindermengenzuschlag
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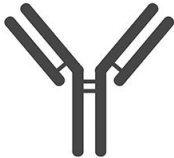
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Product Number	ARP58280_P050-Biotin
Product Page	www.avivasysbio.com/h2afx-antibody-n-terminal-region-biotin-arp58280-p050-biotin.html
Name	H2AFX Antibody - N-terminal region : Biotin (ARP58280_P050-Biotin)
Protein Size (# AA)	143 amino acids
Molecular Weight	16kDa
Conjugation	Biotin
NCBI Gene Id	3014
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	H2A histone family, member X
Alias Symbols	H2A.X, H2A/X, H2AFX
Peptide Sequence	Synthetic peptide located within the following region: SGRGKTGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGHYAERVGAGAPVY
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Scherthan,H., (2008) Biochem Biophys. Res. Commun. 371 (4), 694-697
Description of Target	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. H2AFX is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	UBC; HIST1H3A; USP17L2; UBD; RNF8; DDX21; XRCC6; NBN; NCL; HIST1H3B; ESR1; CENPA; TP53BP1; TOPORS; MDC1; BRCA1; ATR; ATM; PRKDC; CBX5; TRIM28; EGFR; BMI1; HIST2H3C; PML; XRCC5; UBB; TERF2; RNF2; SIRT7; CSNK2A1; ARRB2; ARRB1; PAXIP1; MRE11A; ATF2; MCPH1; C
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-H2AFX (ARP58280_P050-Biotin) antibody
Blocking Peptide	For anti-H2AFX (ARP58280_P050-Biotin) antibody is Catalog # AAP58280 (Previous Catalog # AAPP32879)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human H2AFX
Uniprot ID	P16104
Protein Name	Histone H2A.x
Publications	Wen, W. et al. MST1 promotes apoptosis through phosphorylation of histone H2AX. J. Biol. Chem. 285, 39108-16 (2010). WB, Zebrafish, Rat, Dog, Guinea pig, Human, Mouse, Bovine, Horse 20921231

Sample Type Confirmation	There is BioGPS gene expression data showing that H2AFX is expressed in HepG2
Protein Accession #	NP_002096
Purification	Affinity Purified
Nucleotide Accession #	NM_002105
Gene Symbol	H2AFX
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Image 1	

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Optimal conditions of its use should be determined by end users.

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