



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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<b>Product Number</b>	ARP58280_P050-FITC
<b>Product Page</b>	<a href="http://www.avivasysbio.com/h2afx-antibody-n-terminal-region-fitc-arp58280-p050-fitc.html">www.avivasysbio.com/h2afx-antibody-n-terminal-region-fitc-arp58280-p050-fitc.html</a>
<b>Name</b>	H2AFX Antibody - N-terminal region : FITC (ARP58280_P050-FITC)
<b>Protein Size (# AA)</b>	143 amino acids
<b>Molecular Weight</b>	16kDa
<b>Conjugation</b>	FITC: Fluorescein Isothiocyanate
<b>NCBI Gene Id</b>	3014
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	H2A histone family, member X
<b>Alias Symbols</b>	H2A.X, H2A/X, H2AFX
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">SGRGKTGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGHYAERVGAGAPVY</a>
<b>Product Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer.
<b>Reference</b>	Scherthan,H., (2008) Biochem. Biophys. Res. Commun. 371 (4), 694-697
<b>Description of Target</b>	<p>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.</p> <p>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.</p>
<b>Protein Interactions</b>	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
<b>Reconstitution and Storage</b>	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.
<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-H2AFX (ARP58280_P050-FITC) antibody</a>
<b>Blocking Peptide</b>	For anti-H2AFX (ARP58280_P050-FITC) antibody is <a href="#">Catalog # AAP58280</a> (Previous Catalog # AAPP32879)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the N terminal region of human H2AFX
<b>Uniprot ID</b>	<a href="#">P16104</a>
<b>Protein Name</b>	Histone H2A.x

<b>Publications</b>	Wen, W. et al. MST1 promotes apoptosis through phosphorylation of histone H2AX. J. Biol. Chem. 285, 39108-16 (2010). <b>WB, Zebrafish, Rat, Dog, Guinea pig, Human, Mouse, Bovine, Horse</b> <a href="#">20921231</a>
<b>Sample Type Confirmation</b>	There is BioGPS gene expression data showing that H2AFX is expressed in HepG2
<b>Protein Accession #</b>	<a href="#">NP_002096</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002105</a>
<b>Gene Symbol</b>	<a href="#">H2AFX</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
<b>Image 1</b>	

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

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