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## anti-H2AFX antibody (C-Term)

4 Images



**Publications** 



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Overview	
Quantity:	200 μL
Target:	H2AFX
Binding Specificity:	AA 115-143, C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This H2AFX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This H2AFX antibody is generated from mice immunized with a KLH conjugated synthetic
	peptide between 115-143 amino acids from the C-terminal region of human H2AFX.
Clone:	938CT5-1-1
Isotype:	lgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Torget Details	
Target Details	
Target:	H2AFX
Alternative Name:	H2AFX (H2AFX Products)
Background:	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes.

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. DNA
accessibility is regulated via a complex set of post-translational modifications of histones, also
called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of
cell cycle progression in response to low doses of ionizing radiation and for efficient repair of
DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

Molecular Weight:	15145
NCBI Accession:	NP_002096
UniProt:	P16104
Pathways:	Telomere Maintenance, DNA Damage Repair, Positive Regulation of Response to DNA Damage
	Stimulus

### **Application Details**

Application Notes:	WB: 1:1000. IHC: 1:50. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

#### **Publications**

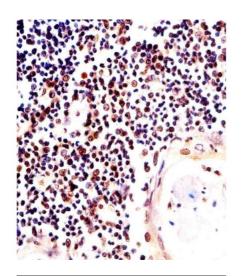
Product cited in:

Wendeler, Pabst, Wang, Strouse, Wang, Hunter: "Process-scale purification and analytical characterization of highly gamma-carboxylated recombinant human prothrombin." in: **Journal of chromatography. A**, Vol. 1325, pp. 171-8, (2014) (PubMed).

Yang, Ko, Yang, Kim, Seo, Park, Choi, Seong, Kweon: "Interleukin-1 promotes coagulation, which is necessary for protective immunity in the lung against Streptococcus pneumoniae infection." in: **The Journal of infectious diseases**, Vol. 207, Issue 1, pp. 50-60, (2012) (PubMed).

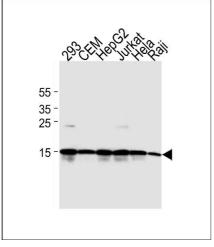
Lim, Joy, Hill, San Brian Chia: "Novel agmatine and agmatine-like peptidomimetic inhibitors of the West Nile virus NS2B/NS3 serine protease." in: **European journal of medicinal chemistry**, Vol. 46, Issue 7, pp. 3130-4, (2011) (PubMed).

#### **Images**



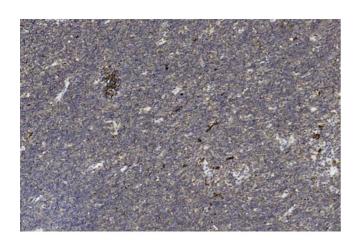
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemical analysis of paraffinembedded H. thymus section using H2AFX Antibody (Cterm) (ABIN1882250 and ABIN2843363). (ABIN1882250 and ABIN2843363) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



#### **Western Blotting**

**Image 2.** Western blot analysis of lysates from 293, CEM, HepG2, Jurkat, Hela, Raji cell line(from left to right). using H2AFX Antibody (C-term) (ABIN1882250 and ABIN2843363). (ABIN1882250 and ABIN2843363) was diluted at 1:2000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35 μg per lane.



#### **Immunohistochemistry**

**Image 3.** Immunohistochemical analysis of paraffinembedded Human Thymus section using Pink1 am2199b. am2199b was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

Please check the product details page for more images. Overall 4 images are available for ABIN1882250.