

Datasheet for ABIN657639  
**anti-H2AFX antibody (C-Term)**



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2 Images

## Overview

Quantity:	400 µL
Target:	H2AFX
Binding Specificity:	AA 111-140, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This H2AFX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the C-terminal region of human H2AFX.
Clone:	RB33675
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	H2AFX
Alternative Name:	H2AFX ( <a href="#">H2AFX Products</a> )
Background:	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

## Target Details

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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.

Molecular Weight: 15145

Gene ID: 3014

NCBI Accession: [NP\\_002096](#)

UniProt: [P16104](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

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Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

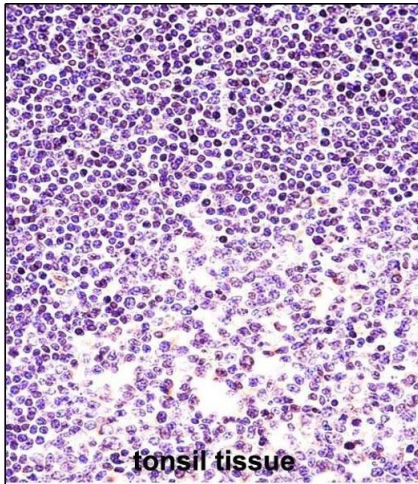
Preservative: Sodium azide

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

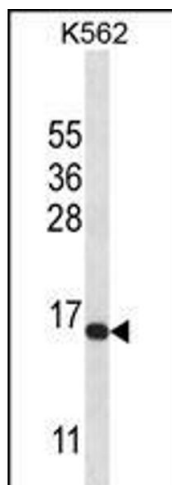
Storage Comment: H2AFX Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** H2AFX Antibody (C-term) (ABIN657639 and ABIN2846635) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of H2AFX Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** H2AFX Antibody (C-term) (ABIN657639 and ABIN2846635) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the H2AFX antibody detected the H2AFX protein (arrow).