

Datasheet for ABIN5557486

**anti-H2AFZ antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	H2AFZ
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This H2AFZ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant human Histone H2A.Z protein, around 1-100aa.
Clone:	7G8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	H2AFZ
Alternative Name:	Histone H2A.Z ( <a href="#">H2AFZ Products</a> )
Background:	Synonyms: Histone H2A type 1-B/E, HIST1H2AB Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into

## Target Details

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.

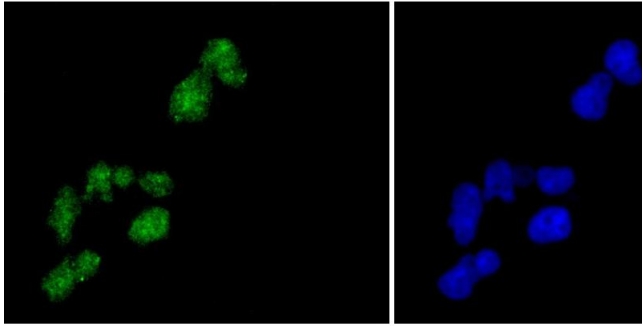
Gene ID:	3012
UniProt:	<a href="#">P04908</a>
Pathways:	<a href="#">Telomere Maintenance</a>

## Application Details

Application Notes:	IHC-P 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

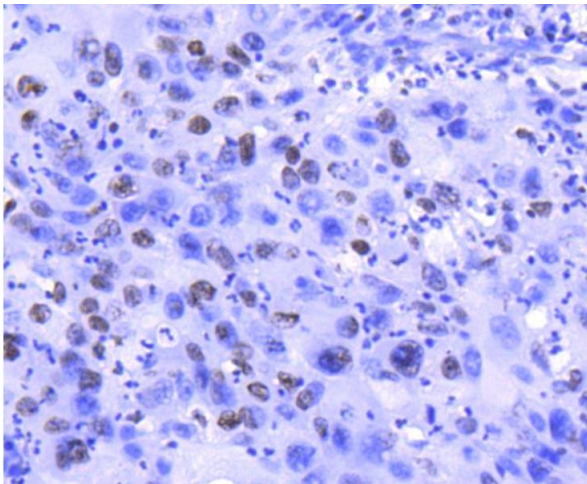
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



#### Immunofluorescence (Cultured Cells)

**Image 1.** HeLa cells were fixed in paraformaldehyde, permeabilized with 0.25% Triton X100/PBS and stained with Histone H2A.Z (7G8) Monoclonal Antibody at 1:200 and incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded Human lung, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Histone H2A.Z (7G8) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.