

Datasheet for ABIN498790

anti-Histone H3.1 antibody (pSer28)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Histone H3.1 (HIST1H3B)
Binding Specificity:	pSer28
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H3.1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Specificity:	This antibody detects endogenous levels of p-Histone H3.1 protein, only when phosphorylated at Ser28.
Cross-Reactivity (Details):	Species reactivity (expected): Mouse and Rat. Species reactivity (tested): Human.
Purification:	Affinity chromatography
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	Histone H3.1 (HIST1H3B)
Alternative Name:	Histone H3.1 (HIST1H3B Products)

Target Details

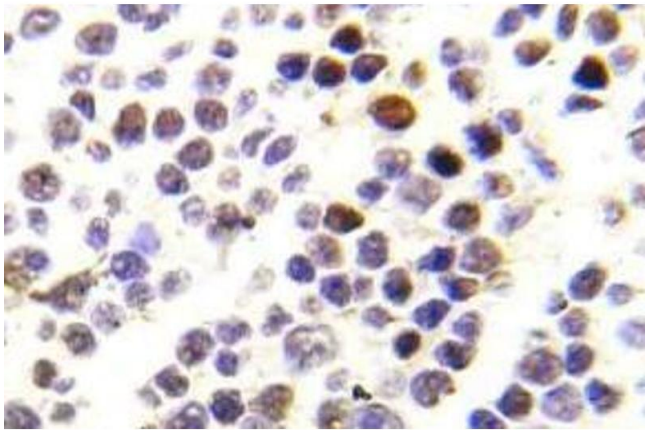
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fibre is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Covalent modifications of the canonical core histones, including acetylation, phosphorylation, methylation, and monoubiquitination are used to mark nucleosomes to create chromatin domains with a range of functions. Synonyms: H3/a, H3/b, H3/c, H3/d, H3/f, H3/h, H3/i, H3/j, H3/k, H3/l, H3FA, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J
Molecular Weight:	approx. 17 kDa
Gene ID:	8350
NCBI Accession:	NP_003520
UniProt:	P68431

Application Details

Application Notes:	Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1,0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 0.05 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry (IHC) analyzes of p-Histone H3.1 antibody in paraffin-embedded human malignant lymphoma tissue.



Western Blotting

Image 2. Western blot (WB) analysis of p-Histone H3.1 antibody in extracts from HuvEc Serum cells