



# Histone H1 (phospho Thr17) Monoclonal Antibody

Catalog No	BYmab-01397
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB
Gene Name	HIST1H1B
Protein Name	Histone H1.5
Immunogen	The antiserum was produced against synthesized peptide derived from human Histone H1 around the phosphorylation site of Thr17. AA range:1-50
Specificity	Phospho-Histone H1 (T17) Monoclonal Antibody detects endogenous levels of Histone H1 protein only when phosphorylated at T17.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HIST1H1B; H1F5; Histone H1.5; Histone H1a; Histone H1b; Histone H1s-3; HIST1H1D; H1F3; Histone H1.3; Histone H1c; Histone H1s-2; HIST1H1E; H1F4; Histone H1.4; Histone H1b; Histone H1s-4
Observed Band	31kD
Cell Pathway	Nucleus. Chromosome. According to PubMed:15911621 more commonly found in heterochromatin. According to PubMed:10997781 associates with actively transcribed chromatin and not heterochromatin.
Tissue Specificity	Ubiquitous. Expressed in the majority of the cell lines tested and in testis.
Function	function:Histones H1 are necessary for the condensation of nucleosome chains into higher order structures.,similarity:Belongs to the histone H1/H5 family.,
Background	Histones are basic nuclear proteins responsible for 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

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of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015],

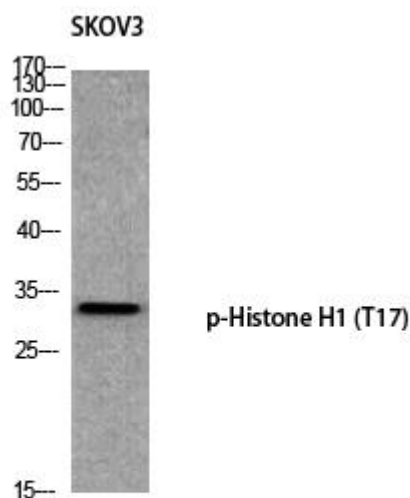
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Histone H1 (phospho Thr17) Monoclonal Antibody