Immunotag™ Histone H1 (phospho Thr17) Polyclonal Antibody

Antibody Specification

Catalog No.	ITP0925
Product Description	Immunotag™ Histone H1 (phospho Thr17) Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Histone H1 (Thr17)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Monkey
Host Species	Rabbit
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) Polyclonal Antibody detects endogenous levels of Histone H1 protein only when phosphorylated at T17.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HIST1H1B
Accession No.	P16401/P16402/P10412
Alternate Names	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

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Description	histone cluster 1 H1 family member b(HIST1H1B) Homo sapiens 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 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],
Cell Pathway/ Category	Protein_Acetylation
Protein Expression	Epithelium,Liver,Ovarian carcinoma,Spleen,
Subcellular Localization	nucleosome,nuclear chromatin,nuclear heterochromatin,extracellular exosome,
Protein Function	function:Histones H1 are necessary for the condensation of nucleosome chains into higher order structures.,similarity:Belongs to the histone H1/H5 family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.