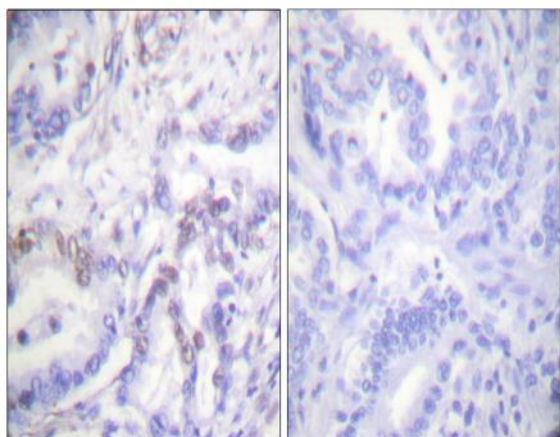


## Histone H3 (phospho Thr3) Polyclonal Antibody

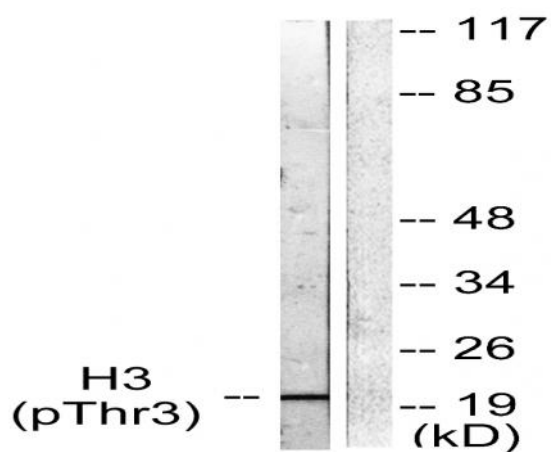
<b>Catalog No :</b>	YP0131
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Histone H3
<b>Fields :</b>	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Shigellosis;>>Transcriptional misregulation in cancer;>>Systemic lupus erythematosus
<b>Gene Name :</b>	HIST1H3A
<b>Protein Name :</b>	Histone H3.1
<b>Human Gene Id :</b>	8350/8351/8352/8353/8354/8355/8356/8357/8358/8968
<b>Human Swiss Prot No :</b>	P68431
<b>Mouse Gene Id :</b>	319152
<b>Mouse Swiss Prot No :</b>	P68433
<b>Rat Gene Id :</b>	291159
<b>Rat Swiss Prot No :</b>	Q6LED0
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Histone H3 around the phosphorylation site of Thr3. AA range:1-50
<b>Specificity :</b>	Phospho-Histone H3 (T3) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when phosphorylated at T3.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG

<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	20kD
<b>Cell Pathway :</b>	Protein_Acetylation
<b>Background :</b>	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015],</p>
<b>Function :</b>	<p>caution:Was originally (PubMed:2587222) thought to originate from mouse.,developmental stage:Expressed during S phase, then expression strongly decreases as cell division slows down during the process of differentiation.,function:Core component of nucleosome. Nucleosomes wrap and compact DNA into 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.,mass spectrometry:Monoisotopic with N-acetylserine PubMed:16457589,miscellaneous:This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).,PTM:Acetylation is generally I</p>
<b>Subcellular Location :</b>	Nucleus. Chromosome.
<b>Expression :</b>	Blood,Epithelium,Kidney,Lung,Ovary,Spleen,Uterus,

## Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Histone H3 (Phospho-Thr3) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with Serum 20% 30', using Histone H3 (Phospho-Thr3) Antibody. The lane on the right is blocked with the phospho peptide.