

## Histone H3 (phospho Thr11) Polyclonal Antibody

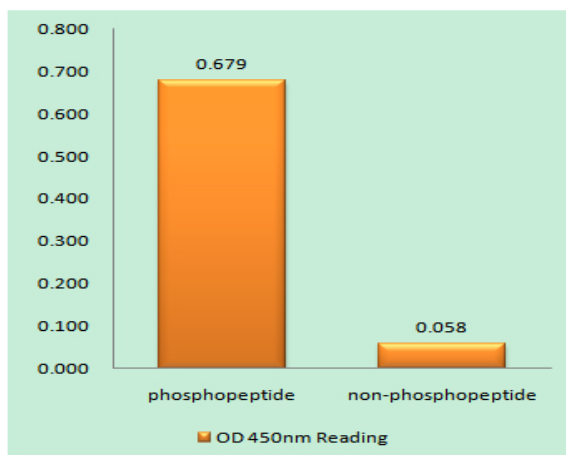
<b>Catalog No :</b>	YP1167
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IF;ELISA
<b>Target :</b>	Histone H3
<b>Fields :</b>	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Shigellosis;>>Transcriptional misregulation in cancer;>>Systemic lupus erythematosus
<b>Gene Name :</b>	HIST1H3A
<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/Q71DI3/P84243
<b>Mouse Gene Id :</b>	319152/15077/15078
<b>Rat Gene Id :</b>	291159/100361558
<b>Rat Swiss Prot No :</b>	Q6LED0/P84245
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Histone H3 around the phosphorylation site of Thr11. AA range:1-50
<b>Specificity :</b>	Phospho-Histone H3 (T11) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when phosphorylated at T11.
<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>	IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

<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>Molecularweight :</b>	15kD
<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,
<b>Sort :</b>	7559
<b>No2 :</b>	9767S
<b>No4 :</b>	1

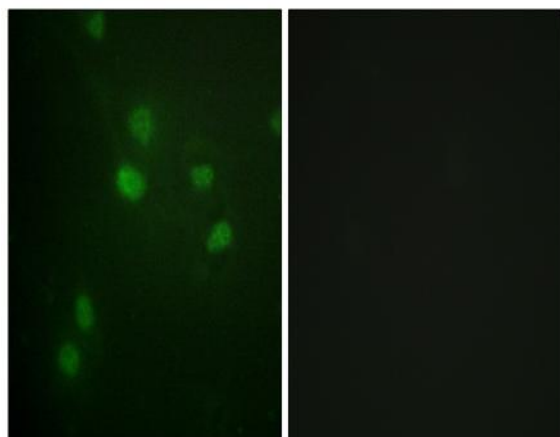
**Host :** Rabbit

**Modifications :** Phospho

## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Histone H3 (Phospho-Thr11) Antibody



Immunofluorescence analysis of HUVEC cells, using Histone H3 (Phospho-Thr11) Antibody. The picture on the right is blocked with the phospho peptide.