

Histone H3 Monoclonal Antibody, AbFluor 405 Conjugated

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| Catalog No : | YM2082 |
| Reactivity : | Zebrafish |
| Applications : | WB |
| Target : | Histone H3 |
| Fields : | >>Neutrophil extracellular trap formation;>>Alcoholism;>>Shigellosis;>>Transcriptional misregulation in cancer;>>Systemic lupus erythematosus |
| Gene Name : | HIST1H3A/HIST1H3B/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B |
| Protein Name : | Histone H3.1/Histone H3.2/Histone H3.3 |
| Human Gene Id : | 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968 |
| Human Swiss Prot No : | P68431/Q71DI3/P84243 |
| Specificity : | Histone H3 Monoclonal Antibody AbFluor™ 405 Conjugated specially designed for your Immunofluorescence analysis. |
| Formulation : | Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% Glycerol. |
| Source : | Monoclonal, Mouse IgG1 |
| Purification : | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Concentration : | 1mg/ml |
| Storage Stability : | Stable for one year at -15°C to -25°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezi |

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| Cell Pathway : | Systemic lupus erythematosus; |
| Background : | <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> |
| Function : | <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> |
| Subcellular Location : | Nucleus. Chromosome. |
| Expression : | Blood,Epithelium,Kidney,Lung,Ovary,Spleen,Uterus, |
| Sort : | 7595 |
| No4 : | 1 |
| Host : | Mouse |
| Modifications : | Unmodified |
| Conjugate : | AbFluor 405 |

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