

## Histone H3 (Phospho-Ser10) Conjugated Antibody

Catalog No: #C14140



Package Size: #C14140-AF350 100ul #C14140-AF405 100ul #C14140-AF488 100ul  
 #C14140-AF555 100ul #C14140-AF594 100ul #C14140-AF647 100ul  
 #C14140-AF680 100ul #C14140-AF750 100ul #C14140-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | Histone H3 (Phospho-Ser10) Conjugated Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Monoclonal   |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity-chromatography  |
| Species Reactivity    | Human Mouse Rat  |
| Specificity           | Phospho-Histone H3 (S10) Antibody detects endogenous levels of total Phospho-Histone H3 (S10)  |
| Immunogen Description | A synthesized peptide derived from human Phospho-Histone H3 (S10)  |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | H3 histone, family 3A; H3 histone, family 3B (H3.3B); H3.3A; H3.3B; H33; H3F3; H3F3A; H3F3B; Histone H3.3;   |
| Accession No.         | Uniprot:P68431   |
| Uniprot               | P68431   |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 15kDa  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

## Product Description

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Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template.

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Note: This product is for in vitro research use only