# Histone H2A.X Conjugated Antibody

Catalog No: #C49687

Package Size: #C49687-AF350 100ul #C49687-AF405 100ul #C49687-AF488 100ul #C49687-AF555 100ul #C49687-AF594 100ul #C49687-AF647 100ul #C49687-AF680 100ul #C49687-AF750 100ul #C49687-Biotin 100ul

Orders: order@signalwayantibody.com
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## Description

| | |
|---|---|
| Product Name | Histone H2A.X Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | Recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | AW228881 antibody H2A histone family member X antibody H2A.FX antibody H2A.X antibody H2a/x antibody H2AFX antibody H2AX antibody H2AX histone antibody H2AX_HUMAN antibody Hist5.2ax antibody Histone 2A antibody Histone 2AX antibody Histone H2A.X antibody Histone H2AX antibody RGD1566119 antibody |
| Accession No. | Swiss-Prot#:P16104 |
| Uniprot | P16104 |
| GeneID | 3014; |
| 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 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| 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

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

Histone H2A.X is a member of the Histone H2A family, which is involved in nucleosomal organization of chromatin. The H2AFX gene is located in close proximity to the Porphobilinogen deaminase (PBG-D) gene in both mouse and human, and maps to chromosome 9 and 11q23, respectively. H2A.X meets from the other members of the H2A family by the presence of a highly conserved C-terminal motif. It is wide phosphorylated in response to ionizing radiation and plays an important role in the recognition and repair of DNA fragments are involved in the heavy chain constant region of cells involved in class switch recombination (CSR), a region-specific DNA reaction that replaces one immunoglobulin heavy chain constant region gene with another. The phosphorylated γ-H2A.X is also thought to firing new grades factors, including Rad50, Rad51 and BRCA1.

Note: This product is for in vitro research use only