

MonoMethyl-Histone H3-K14Conjugated Antibody

Catalog No: #CHW034

Package Size: #CHW034-AF350 100ul #CHW034-AF405 100ul #CHW034-AF488 100ul

#CHW034-AF555 100ul #CHW034-AF594 100ul #CHW034-AF647 100ul

#CHW034-AF680 100ul #CHW034-AF750 100ul #CHW034-Biotin 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | MonoMethyl-Histone H3-K14Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Immunogen Description | A synthetic peptide of human H3K14me1 |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | H3t; H3.4; H3/g; H3FT; |
| Accession No. | Swiss-Prot#:Q16695NCBI Gene ID:8290NCBI mRNA#:NM_002107.4 NCBI Protein#:NP_003484.1 |
| Uniprot | Q16695 |
| GeneID | 8290; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 15 |
| 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

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Note: This product is for in vitro research use only