Histone H4R3me2sConjugated Antibody

Catalog No: #CHW027

Package Size: #CHW027-AF350 100ul #CHW027-AF405 100ul #CHW027-AF488 100ul #CHW027-AF555 100ul #CHW027-AF594 100ul #CHW027-AF647 100ul #CHW027-AF680 100ul #CHW027-AF750 100ul #CHW027-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Histone H4R3me2sConjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt Other (Wide Rtange)
Immunogen Description	A synthetic peptide corresponding to the amino terminus of histone H4 in which Arg3 is di-methylated.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
Accession No.	Swiss-Prot#:P62805NCBI Gene ID:8370NCBI mRNA#:NM_003548.2 NCBI Protein#:NP_003539.1
Uniprot	P62805
GeneID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370;
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	11
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. 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 member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Note: This product is for in vitro research use only