Histone H2A Conjugated Antibody

Catalog No: #C33265

Package Size: #C33265-AF350 100ul #C33265-AF405 100ul #C33265-AF488 100ul #C33265-AF555 100ul #C33265-AF594 100ul #C33265-AF647 100ul #C33265-AF680 100ul #C33265-AF750 100ul #C33265-Biotin 100ul

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Description

Product Name	Histone H2A Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Histone H2A protein.
Immunogen Description	Synthesized peptide derived from Internal of human Histone H2A.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	H2A.1b;H2A/c;H2A/d;H2A/i;H2A/n
Accession No.	Swiss-Prot#:P0C0S8/P04908/P20671/Q96KK5/Q6FI13/Q7L7L0NCBI Gene ID:8329/8332/8336/8969/3012/8335/3013/85235/723790/8337/92815
Uniprot	P0C0S8
GeneID	8329;8330;8332;8336;8969;
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	14
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

Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Background

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.

Note: This product is for in vitro research use only