macroH2A.1 Conjugated Antibody

Catalog No: #C49703

Package Size: #C49703-AF350 100ul #C49703-AF405 100ul #C49703-AF488 100ul #C49703-AF555 100ul #C49703-AF594 100ul #C49703-AF647 100ul #C49703-AF680 100ul #C49703-AF750 100ul #C49703-Biotin 100ul

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

Description

Product Name	macroH2A.1 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	Core histone macro h2a.1 antibody Core histone macro-H2A.1 antibody H2A histone family member Y antibody H2A.y antibody H2A/y antibody H2AF12M antibody H2AFJ antibody H2afy antibody H2AY_HUMAN antibody Histone H2A.Y antibody Histone macroH2A1 antibody Histone macroH2A1.1 antibody Histone macroH2A1.2 antibody Macroh2a1 antibody MACROH2A1.1 antibody MacroH2A1.2 antibody Medulloblastoma antigen MU MB 50.205 antibody Medulloblastoma antigen MU-MB-50.205 antibody mH2a antibody mH2A1 antibody
Accession No.	Swiss-Prot#:O75367
Uniprot	O75367
GeneID	9555;
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	40 kDa
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

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. 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. Involved in stable X chromosome inactivation. Inhibits the binding of transcription factors and interferes with the activity of remodeling SWI/SNF complexes. Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces an hypoacetylated state of chromatin. In addition, isoform 1, but not isoform 2, binds ADP-ribose and O-acetyl-ADP-ribose, and may be involved in ADP-ribose-mediated chromatin modulation.

Note: This product is for in vitro research use only