

## HDAC9 Conjugated Antibody

Catalog No: #C49722



Package Size: #C49722-AF350 100ul #C49722-AF405 100ul #C49722-AF488 100ul

#C49722-AF555 100ul #C49722-AF594 100ul #C49722-AF647 100ul

#C49722-AF680 100ul #C49722-AF750 100ul #C49722-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	HDAC9 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	HD 7 antibody HD 7B antibody HD 9 antibody HD7 antibody HD7B antibody HD9 antibody HDAC 7 antibody HDAC 7B antibody HDAC 9 antibody HDAC 9B antibody HDAC 9FL antibody HDAC antibody HDAC7 antibody HDAC7B antibody HDAC9 antibody HDAC9_HUMAN antibody HDAC9B antibody HDAC9FL antibody HDRP antibody Histone deacetylase 4/5 related protein antibody Histone deacetylase 7 antibody Histone deacetylase 7B antibody Histone deacetylase 9 antibody Histone deacetylase 9A antibody Histone deacetylase related protein antibody Histone deacetylase-related protein antibody KIAA0744 antibody MEF2 interacting transcription repressor MITR antibody MEF2 interacting transcription repressor protein antibody MEF2-interacting transcription repressor MITR antibody MITR antibody
Accession No.	Swiss-Prot#:Q9UKV0
Uniprot	Q9UKV0
GeneID	9734;
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	140 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

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## Background

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is a critical component of transcriptional regulation and the acetylation of nucleosomal histones is a major source of this remodeling. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Several mammalian proteins function as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP, HAT1 and the TFIID subunit TAF II p250. Conversely, the deacetylation of histones is associated with transcriptional silencing. The histone deacetylases (HDAC) include HDAC1-9. HDAC9 and HDAC9a are two alternatively spliced isoforms of HDAC9. HDAC9a is 132 amino acids shorter than HDAC9, but both isoforms contain the HDAC catalytic domain, remain capable of deacetylase activity and repress myocyte enhancer-binding factor 2-mediated transcription.

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Note: This product is for in vitro research use only