

## HDAC7A (Phospho-Ser155) Conjugated Antibody

Catalog No: #C11823



Package Size: #C11823-AF350 100ul #C11823-AF405 100ul #C11823-AF488 100ul  
 #C11823-AF555 100ul #C11823-AF594 100ul #C11823-AF647 100ul  
 #C11823-AF680 100ul #C11823-AF750 100ul #C11823-Biotin 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
 Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | HDAC7A (Phospho-Ser155) Conjugated Antibody                                                                                                                                  |
| Host Species          | Rabbit                                                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                                                   |
| Species Reactivity    | Hu Ms                                                                                                                                                                        |
| Specificity           | The antibody detects endogenous levels of HDAC7A only when phosphorylated at serine 155.                                                                                     |
| Immunogen Description | Peptide sequence around phosphorylation site of Serine 155(T-V-S(p)-E-P) derived from Human HDAC7A.                                                                          |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                                                                                                       |
| Other Names           | HD7a;HDA7;HDAC7A                                                                                                                                                             |
| Accession No.         | Swiss-Prot#:Q8WUI4NCBI Gene ID:51564NCBI mRNA#:NM_015401.3. NCBI Protein#:NP_056216.2.                                                                                       |
| Uniprot               | Q8WUI4                                                                                                                                                                       |
| GeneID                | 51564;                                                                                                                                                                       |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 103                                                                                                                                                                          |
| 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

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Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Background

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Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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Note: This product is for in vitro research use only