

## Smad3 (Phospho-Ser423/425) Conjugated Antibody

Catalog No: #C13335



Package Size: #C13335-AF350 100ul #C13335-AF405 100ul #C13335-AF488 100ul  
 #C13335-AF555 100ul #C13335-AF594 100ul #C13335-AF647 100ul  
 #C13335-AF680 100ul #C13335-AF750 100ul #C13335-Biotin 100ul

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## Description

Product Name	Smad3 (Phospho-Ser423/425) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu, Ms
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	75SirT1 antibody hSIR2 antibody hSIRT1 antibody HST2, S. cerevisiae, homolog of antibody NAD dependent deacetylase sirtuin 1 antibody NAD dependent protein deacetylase sirtuin 1 antibody OTTHUMP00000198111 antibody OTTHUMP00000198112 antibody Regulatory protein SIR2 homolog 1 antibody SIR1_HUMAN antibody SIR2 antibody SIR2 like 1 antibody SIR2 like protein 1 antibody SIR2, S.cerevisiae, homolog-like 1 antibody SIR2-like protein 1 antibody SIR2ALPHA antibody SIR2L1 antibody Sirt1 antibody SirtT1 75 kDa fragment antibody Sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) antibody Sirtuin 1 antibody Sirtuin type 1 antibody
Accession No.	Swiss-Prot#:Q96EB6
Uniprot	Q96EB6
GeneID	23411;
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	110
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

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Sirt1, the mammalian ortholog of Sir2, is a nuclear protein implicated in the regulation of many cellular processes, including apoptosis, cellular senescence, endocrine signaling, glucose homeostasis, aging, and longevity. Targets of Sirt1 include acetylated p53, p300, Ku70, forkhead (FoxO) transcription factors, PPAR $\gamma$ , and the PPAR $\gamma$  coactivator-1 $\alpha$  (PGC-1 $\alpha$ ) protein. Deacetylation of p53 and FoxO transcription factors represses apoptosis and increases cell survival. Sirt1 deacetylase activity is inhibited by nicotinamide and activated by resveratrol.

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Note: This product is for in vitro research use only