Hormone sensitive lipase (Phospho-S853) Conjugated Antibody

Catalog No: #C13391

Orders: order@signalwayantibody.com
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Package Size: #C13391-AF350 100ul #C13391-AF405 100ul #C13391-AF488 100ul #C13391-AF555 100ul #C13391-AF594 100ul #C13391-AF647 100ul #C13391-AF680 100ul #C13391-AF750 100ul #C13391-Biotin 100ul

Description

Product Name	Hormone sensitive lipase (Phospho-S853) 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	HSMT3 antibody MGC117191 antibody OTTHUMP00000115275 antibody OTTHUMP00000115276 antibody OTTHUMP00000115277 antibody Sentrin 2 antibody Small ubiquitin like modifier 2 antibody Small ubiquitin related modifier 2 antibody small ubiquitin-like modifier 3 antibody small ubiquitin-related modifier 3 antibody SMT3 homolog 1 antibody SMT3 homolog 2 antibody SMT3 suppressor of mif two 3 homolog 1 antibody SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae) antibody SMT3 suppressor of mif two 3 homolog 2 antibody SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae) antibody SMT3 suppressor of mif two 3 homolog 3 antibody SMT3A antibody SMT3B antibody SMT3H1 antibody SMT3H2 antibody Sumo2 antibody Sumo3 antibody Ubiquitin like protein SMT3A antibody Ubiquitin like protein SMT3B antibody
Accession No.	Swiss-Prot#:P55854
Uniprot	P55854
GeneID	6612;
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	12
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

The small ubiquitin-related modifier (SUMO) proteins, which include SUMO-1, SUMO-2 and SUMO-3, belong to the ubiquitin-like protein family. Like ubiquitin, the SUMO proteins are synthesized as precursor proteins that undergo processing before conjugation to target proteins. Also, both utilize the E1, E2, and E3 cascade enzymes for conjugation. However, SUMO and ubiquitin differ with respect to targeting. Ubiquitination predominantly targets proteins for degradation, whereas sumoylation targets proteins to a variety of cellular processing, including nuclear transport, transcriptional regulation, apoptosis and protein stability. The unconjugated SUMO-1, SUMO-2 and SUMO-3 proteins localize to the nuclear membrane, nuclear bodies and cytoplasm, respectively. SUMO-1 utilizes Ubc9 for conjugation to several target proteins, which include IkBa, MDM2, p53, PML and Ran GAP1. SUMO-2 and SUMO-3 contribute to a greater percentage of protein modification than does SUMO-1, and unlike SUMO-1, they can form polymeric chains. In addition, SUMO-3 regulates b-Amyloid generation and may be critical in the onset or progression of Alzheimer's disease.

Note: This product is for in vitro research use only