SAE2/ UBA2 Conjugated Antibody

Catalog No: #C49664

Package Size: #C49664-AF350 100ul #C49664-AF405 100ul #C49664-AF488 100ul #C49664-AF555 100ul #C49664-AF594 100ul #C49664-AF647 100ul #C49664-AF680 100ul #C49664-AF750 100ul #C49664-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	SAE2/ UBA2 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	Anthracycline associated resistance ARX antibody Anthracycline-associated resistance ARX antibody ARX antibody FLJ13058 antibody HRIHFB2115 antibody SAE 2 antibody SAE2 antibody SAE2_HUMAN antibody SUMO 1 activating enzyme subunit 2 antibody SUMO activating enzyme subunit 2 antibody SUMO-activating enzyme subunit 2 antibody UBA2 antibody UBA2 ubiquitin activating enzyme E1 homolog antibody Ubiquitin like 1 activating enzyme E1B antibody Ubiquitin like modifier activating enzyme 2 antibody Ubiquitin-like 1-activating enzyme E1B antibody UBLE1B antibody
Accession No.	Swiss-Prot#:Q9UBT2
Uniprot	Q9UBT2
GeneID	10054;
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	71 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

The small ubiquitin-related modifier protein SUMO-1 belongs to the ubiquitin-like protein family, which are synthesized as precursor proteins that undergo processing before conjugation to target proteins. However, SUMO and ubiquitin differ with respect to targeting. Ubiquitination predominantly targets proteins for degradation, whereas sumoylation targets proteins to a variety of cellular processes, including nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO-1 utilizes homologues of the E1 and E2 enzymes for conjugation to proteins, which include IkBα, MDM2, p53, PML, and RanGap1. AOS1 is homologous to the N-terminal half of E1 and UBA2 is homologous to the C-terminal half of E1. These proteins form a heterodimer that activates SUMO-1.

Note: This product is for in vitro research use only