

SAE1 Conjugated Antibody

Catalog No: #C49894



Package Size: #C49894-AF350 100ul #C49894-AF405 100ul #C49894-AF488 100ul
 #C49894-AF555 100ul #C49894-AF594 100ul #C49894-AF647 100ul
 #C49894-AF680 100ul #C49894-AF750 100ul #C49894-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	SAE1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human SAE1 aa 150-300.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Activator of SUMO1 antibody AOS1 antibody HSPC140 antibody Sae1 antibody SAE1_HUMAN antibody Sentrin/SUMO activating protein AOS1 antibody SUA1 antibody SUMO 1 activating enzyme E1 N subunit antibody SUMO 1 activating enzyme subunit 1 antibody SUMO-activating enzyme subunit 1 antibody Ubiquitin like protein SUMO1 activating enzyme antibody Ubiquitin-like 1-activating enzyme E1A antibody UBL E1A antibody UBLE1A antibody
Accession No.	Swiss-Prot#:Q9UBE0
Uniprot	Q9UBE0
GeneID	10055;
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	38 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

Proteolytic degradation by the ubiquitin (Ub) system is essential for normal cell cycle progression, cellular differentiation and stress responses. Proteins conjugated to Ub are marked for progressive degradation by the 26S Proteasome. AOS-1, also designated SUMO-1-activating enzyme or ubiquitin-like 1-activating enzyme E1A, belongs to the ubiquitin-activating E1 family of proteins and plays an important role in the first step of the UBL1 conjugation pathway. AOS-1, which is a dimeric enzyme, functions as a UBL1 E1 ligase, mediating the ATP-dependent activation of UBL1. AOS-1 can bind with UBLE1A and UBLE1B to form a heterodimer which can bind UBL1.

Note: This product is for in vitro research use only