

SET Conjugated Antibody

Catalog No: #C49800



Package Size: #C49800-AF350 100ul #C49800-AF405 100ul #C49800-AF488 100ul
 #C49800-AF555 100ul #C49800-AF594 100ul #C49800-AF647 100ul
 #C49800-AF680 100ul #C49800-AF750 100ul #C49800-Biotin 100ul

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

Description

Product Name	SET 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	2PP2A antibody HLA DR associated protein II antibody HLA-DR-associated protein II antibody I2PP2A antibody I-2PP2A antibody I2PP2A antibody IGAAD antibody Inhibitor of granzyme A activated DNase antibody Inhibitor of granzyme A-activated DNase antibody Inhibitor of GzmA-activated DNase antibody inhibitor-2 of protein phosphatase-2A antibody IPP2A2 antibody PHAPII antibody Phosphatase 2A inhibitor I2PP2A antibody protein phosphatase type 2A inhibitor antibody Protein SET antibody Set antibody SET nuclear oncogene antibody SET translocation antibody SET translocation (myeloid leukemia-associated) antibody SET_HUMAN antibody TAF I antibody TAF IBETA antibody TAF-I antibody TAFI antibody Template activating factor I antibody Template-activating factor I antibody Template-Activating Factor-I, chromatin remodelling factor antibody
Accession No.	Swiss-Prot#:Q01105
Uniprot	Q01105
GenID	6418;
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	37 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

Multitasking protein, involved in apoptosis, transcription, nucleosome assembly and histone chaperoning. Isoform 2 anti-apoptotic activity is mediated by inhibition of the GZMA-activated DNase, NME1. In the course of cytotoxic T-lymphocyte (CTL)-induced apoptosis, GZMA cleaves SET, disrupting its binding to NME1 and releasing NME1 inhibition. Isoform 1 and isoform 2 are potent inhibitors of protein phosphatase 2A. Isoform 1 and isoform 2 inhibit EP300/CREBBP and PCAF-mediated acetylation of histones (HAT) and nucleosomes, most probably by masking the accessibility of lysines of histones to the acetylases. The predominant target for inhibition is histone H4. HAT inhibition leads to silencing of HAT-dependent transcription and prevents active demethylation of DNA. Both isoforms stimulate DNA replication of the adenovirus genome complexed with viral core proteins; however, isoform 2 specific activity is higher.

Note: This product is for in vitro research use only