

SULT2A1 Conjugated Antibody

Catalog No: #C49898



Package Size: #C49898-AF350 100ul #C49898-AF405 100ul #C49898-AF488 100ul

#C49898-AF555 100ul #C49898-AF594 100ul #C49898-AF647 100ul

#C49898-AF680 100ul #C49898-AF750 100ul #C49898-Biotin 100ul

Orders: order@signalwayantibody.com

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Description

Product Name	SULT2A1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human SULT2A1 aa 100 to the C-terminus.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Alcohol/hydroxysteroid sulfotransferase antibody Bile salt sulfotransferase 2A1 antibody Bile salt sulfotransferase antibody Dehydroepiandrosterone sulfotransferase antibody DHEA ST antibody DHEA sulfotransferase antibody DHEA-ST antibody DHEAS antibody EC 2.8.2.14 antibody Hst antibody hSTa antibody Hydroxysteroid sulfotransferase antibody ST2 antibody ST2A1 antibody ST2A1_HUMAN antibody ST2A3 antibody STD antibody sulfotransferase, dehydroepiandrosterone-preferring antibody Sulfotransferase 2A1 antibody Sulfotransferase family 2A, dehydroepiandrosterone-preferring, member 1 antibody Sulfotransferase family cytosolic 2A dehydroepiandrosterone (DHEA) preferring member 1 antibody Sult2a1 antibody
Accession No.	Swiss-Prot#:Q06520
Uniprot	Q06520
GeneID	6822;
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	34 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 soluble sulfotransferases contribute to the elimination of xenobiotics, the activation of procarcinogens and the regulation of hormones. Members of the three groups comprising this superfamily show selectivity to certain substrate compounds. SULT1 sulfotransferases exhibit N-sulfating activities of carcinogenic heterocyclic amines, and are selective toward phenols, whereas SULT2 enzymes prefer hydroxysteroids and SULT3 family members are selective for N-substituted aryl and alicyclic compounds. SULT2A1 catalyzes the sulfonation of procarcinogen xenobiotics, hydroxysteroids and bile acids, and is highly expressed in adrenal and liver tissues. SULT2A1 plays a role in hepatic cholesterol homeostasis. SULT2B1 consists of two isoforms, SULT2B1a and SULT2B1b, which are transcribed from the same gene by alternative splicing of their first exons. Both isoforms are highly selective for the sulphation of 3 β -hydroxysteroids such as pregnenolone, epiandrosterone, DHEA and androstenediol. SULT2B1b is expressed in prostate, skin, placenta and lung.

Note: This product is for in vitro research use only