

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cytosolic Sulfotransferase 2A1/SULT2A1 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human SULT1A1, 1A3, 4A1, 1B1, 2B1, or 1E1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 656229
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Cytosolic Sulfotransferase 2A1/SULT2A1 Ser2-Glu285 Accession # NP_003158
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Sulfotransferase 2A1 (SULT2A1), also called DHEA-ST (DHEA/bile acid sulfotransferase), is a 35 kDa member of the cytosolic sulfotransferase family, which are Phase II drug-metabolizing enzymes that catalyze the sulfation of many endogenous and xenobiotic substrates. SULT2A1 is primarily expressed in liver and adrenal tissues. It sulfates steroids and bile acids, playing roles in maintaining cholesterol and bile acid homeostasis by increasing cholesterol catabolism and preventing toxicity from bile acid accumulation. Human SULT2A1 shares 63-65% amino acid identity with mouse and rat SULT2A1.

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