

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cytosolic Sulfotransferase 1E1/SULT1E1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human SULT1A1, 1B1, 2A1, 2B1, or 4A1 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 726211
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Cytosolic Sulfotransferase 1E1/SULT1E1 Asn2-Ile294 Accession # P49888
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

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

Cytosolic Sulfotransferases catalyze the sulfation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. They are distinct from Golgi resident sulfotransferases by the absence of transmembrane domains and are located in the cytoplasm. SULT1E1 is widely known as an estrogen sulfotransferase and may control estrogen levels by converting free estradiol to its inactive sulfate conjugate (1). Known substrates of this enzyme also include dehydroepiandrosterone, pregnenolone, ethinylestradiol, equalenin, diethylstilbesterol, 4-nitrophenol, 1-naphthol and resveratrol (2, 3). SULT1E1 activity is found in reproductive organs (4), intestine and liver (3, 5).

PRODUCT SPECIFIC NOTICES

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