

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Sulfotransferase 1E1/SULT1E1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) Sulfotransferase 1A1 is observed and less than 2% cross-reactivity with rhS
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Sulfotransferase 1E1/SULT1E1 Asn2-Ile294 Accession # P49888
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.
Immunoprecipitation	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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