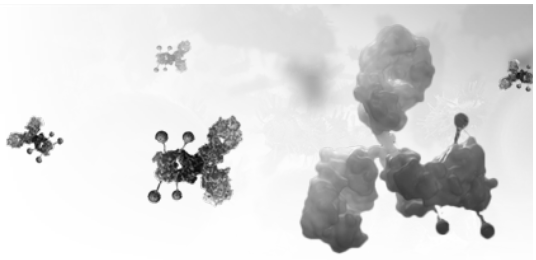

Mouse Anti-Human SULT2B1 monoclonal antibody, clone NN14 (CABT-ZB454)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human SULT2B1
Target	SULT2B1
Immunogen	Recombinant Human SULT2B1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN14
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect SULT2B1 in antibody pair set. [ABPR-ZB028]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human SULT2B1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Sulfotransferase family cytosolic 2B member 1, also known as Sulfotransferase 2B1, ST2B1, Alcohol sulfotransferase, Hydroxysteroid sulfotransferase 2, SULT2B1 and HSST2, is a cytoplasm protein that belongs to the sulfotransferase 1 family. The human hydroxysteroid sulfotransferase (SULT) family is comprised of two subfamilies, SULT2A1 and SULT2B1. SULT2B1 is expressed highly in placenta, prostate and trachea. A lesser expression of SULT1B1 was observed in the small intestine and lung. SULT2B1 catalyzes the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. SULT2B1 sulfates hydroxysteroids like DHEA. Isoform 1 preferentially sulfonates cholesterol. The two SULT2B1 isoforms, SULT2B1a and SULT2B1b, are encoded by a single gene as a result of alternative transcription initiation and alternative splicing. SULT2B1b catalyzes the sulfonation of 3beta-hydroxysteroid hormones and cholesterol, whereas SULT2B1a preferentially catalyzes pregnenolone sulfonation.
Keywords	SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; HSST2

GENE INFORMATION

Synonyms	SULT2B1; sulfotransferase family, cytosolic, 2B, member 1; sulfotransferase family cytosolic 2B member 1; HSST2; ST2B1; sulfotransferase 2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2
Entrez Gene ID	6820
UniProt ID	O00204

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