

Rabbit anti-Human SULT2B1 Monoclonal Antibody | anti-SULT2B1 antibody

Recombinant Anti-SULT2B1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255413	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

SULT2B1; Monoclonal Antibody; Recombinant Anti-SULT2B1 Antibody; Rabbit Monoclonal; SULT2B1 Antibody; Rabbit MAb; sulfotransferase family 2B member 1; Anti-HSST2 Antibody; Anti-SULT2B1 Antibody; anti-SULT2B1 antibody

PRODUCT SPECIFICATIONS

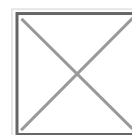
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	007
Specificity	Human SULT2B1. No cross-reactivity in ELISA with Human SULT2A1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SULT2B1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SULT2B1 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SULT2B1 (rh SULT2B1) .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-SULT2B1 rabbit monoclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 41 kDa



IP (Immunoprecipitation)

SULT2B1 was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 0.5 uL anti-SULT2B1 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-SULT2B1 rabbit monoclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 41 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SULT2B1 antibody	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.
References	Fujita K. et al., 1997, J. Biochem. 122:1052-61. Geese, WJ. et al., 2001, Biochem Biophys Res Commun.288 (1): 280-9. Shimizu, C. et al., 2003, Endocrinology. 144 (4):1186-93. Ji, Y. et al., 2007, J Pharmacol Exp Ther. 322 (2): 529-40.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563388
NCBI GeneID	6820
NCBI Accession #	NP_004596.2
NCBI GenBank Nucleotide #	NM_004605.2
UniProt Accession #	O00204; O00205; O75814
Molecular Weight	39,599 Da
NCBI Official Full Name	sulfotransferase family cytosolic 2B member 1 isoform a
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 2B, member 1
NCBI Official Symbol	SULT2B1
NCBI Official Synonym Symbols	HSST2
NCBI Protein Information	sulfotransferase family cytosolic 2B member 1; ST2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2; sulfotransferase 2B1
UniProt Protein Name	Sulfotransferase family cytosolic 2B member 1
UniProt Gene Name	SULT2B1
UniProt Synonym Gene Names	HSST2; ST2B1; Sulfotransferase 2B1
UniProt Entry Name	ST2B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sult2b1-antibody-clone-007-immunoprecipitation-western-blot-elisa/255413>