Rabbit anti-Human SULT1A1 Polyclonal Antibody | anti-SULT1A1 antibody

Anti-SULT1A1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255453	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

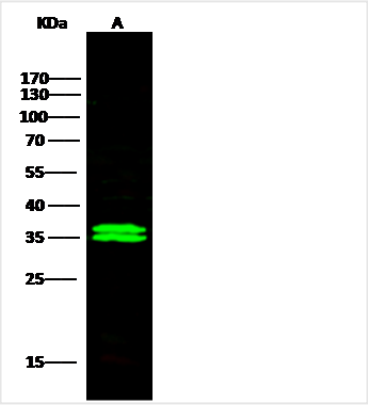
PRODUCT SYNONYMS

SULT1A1; Polyclonal Antibody; Anti-SULT1A1 Antibody; Rabbit Polyclonal; SULT1A1 Antibody; Rabbit PAb; Antigen Affinity Purified; sulfotransferase family; cytosolic; 1A; phenol-preferring; member 1; Anti-HAST1/HAST2 Antibody; Anti-P-PST Antibody; Anti-PST Antibody; Anti-ST1A1 Antibody; Anti-ST1A3 Antibody; Anti-STP Antibody; Anti-STP1 Antibody; Anti-TSPST1 Antibody; anti-SULT1A1 antibody

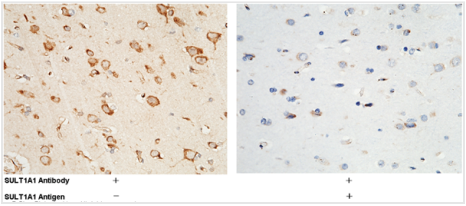
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SULT1A1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SULT1A1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human SULT1A1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human SULT1A1 (rh SULT1A1). SULT1A1 specific IgG was purified by Human SULT1A1 affinity chromatography.
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.

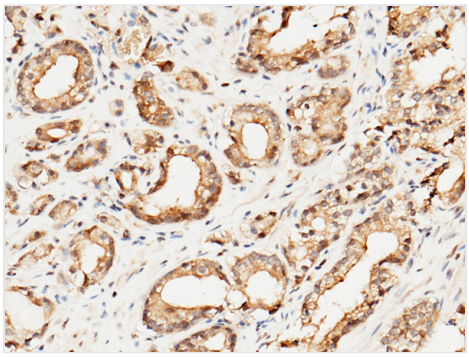
IMAGES



WB (Western Blot)
Anti-SULT1A1 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:34 kDaObserved band size:35 kDa



IHC (Immunohiostchemistry)
Immunochemical staining of human SULT1A1 in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)
Immunochemical staining of human SULT1A1 in human prostatic carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SULT1A1 antibody	Sulfate conjugation catalyzed by cytosolic sulfotransferase (SULT) enzymes. The SULTs are Phase II drug-metabolizing enzymes that catalyze the addition of a sulfuryl moiety to both endogenous compounds, including steroids and neurotransmitters, and certain xenobiotics, including N-hydroxy-2-acetylaminoflourine and phenolic compounds, like alpha-naphthol. SULTs may be involved in the individual genetic disposition, species differences, and organotropisms for toxicological effects of chemicals. Particularly SULT1A1 (Sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1), a member of the sulfotransferase 1 subfamily, which is a major pathway for drug metabolism in humans. Humans have at least 10 functional SULT genes. There has been an explosion in information on sulfotransferase polymorphisms and their functional consequences. An Arg213His polymorphism in SULT1A1 has a strong influence on the level of enzyme protein and activity in platelets, which have been widely used for phenotyping. Statistically significant associations were observed between the SULT1A1 genotype (Arg213His) and age, obesity and certain neoplasias (mammary, pulmonary, esophageal and urothelial cancer). Furthermore, the polymorphism of the SULT1A1 may be closely associated with breast cancer.
References	Coughtrie MW. 2002. Sulfation through the looking glass--recent advances in sulfotransferase research for the curious. Pharmacogenomics J. 2(5): 297-308.Klaassen CD, et al. (1998) Regulation of sulfotransferase mRNA expression in male and female rats of various ages. Chem Biol Interact. 109(1-3): 299-313.Glatt H. (2000) Sulfotransferases in the bioactivation of xenobiotics. Chem Biol Interact. 129(1-2): 141-70.Glatt H, et al. (2004) Pharmacogenetics of soluble sulfotransferases (SULTs). Naunyn Schmiedebergs Arch Pharmacol. 369(1): 55-68.Hebbring SJ, et al. (2008) Sulfotransferase gene copy number variation: pharmacogenetics and function. Cytogenet Genome Res. 123(1-4): 205-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313104286
NCBI GeneID	6817
UniProt Accession #	P50225; Q2NL71; Q86U58; Q92818; Q9BVU6; Q9UGG7
Molecular Weight	Calculated MW: 25kDa/34kDa Observe MW: 33kDa
NCBI Official Full Name	Sulfotransferase 1A1
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
NCBI Official Symbol	SULT1A1
NCBI Official Synonym Symbols	PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2
NCBI Protein Information	sulfotransferase 1A1; ts-PST; P-PST 1; aryl sulfotransferase 1; thermostable phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase 1
UniProt Protein Name	Sulfotransferase 1A1
UniProt Gene Name	**SULT1A1**
UniProt Synonym Gene Names	STP; STP1; ST1A1; P-PST 1; Ts-PST
UniProt Entry Name	ST1A1_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://www.aaabiotech.com/polyclonal/sult1a1-antibody-immunohistochemistry-western-blot-elisa/255453