



## Rabbit Anti-SULT1A1 antibody

SL6283R

<b>Product Name:</b>	SULT1A1
<b>Chinese Name:</b>	芳基磺基转移酶1抗体
<b>Alias:</b>	SULT6B1; Aryl sulfotransferase 1; HAST1/HAST2; Human aryl sulfotransferase mRNA complete cds; P PST 1; P PST; P-PST 1; Phenol sulfating phenol sulfotransferase 1; Phenol sulfotransferase 1; Phenol-sulfating phenol sulfotransferase 1; PST; ST1A1; ST1A1_HUMAN; ST1A3; STP; STP1; Sulfotransferase 1A1; Sulfotransferase family 1A phenol preferring member 1; Sulfotransferase family cytosolic 1A phenol preferring member 1; Sulfotransferase phenol preferring 1; SULT1A1; Thermostable phenol sulfotransferase; Ts PST; Ts-PST; TSPST1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	34 kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SULT1A1:151-250/295
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones,

neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes one of two phenol sulfotransferases with thermostable enzyme activity. Multiple alternatively spliced variants that encode two isoforms have been identified for this gene.

**Function:**

Catalyzes the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Is also responsible for the sulfation and activation of minoxidil. Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

**Subunit:**

Homodimer.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Liver, lung, adrenal, brain, platelets and skin.

**Similarity:**

Belongs to the sulfotransferase 1 family.

**SWISS:**

P50225

**Gene ID:**

6817

**Database links:**

[Entrez Gene: 6817](#) Human

[Entrez Gene: 20887](#) Mouse

[Omim: 171150](#) Human

[SwissProt: P50225](#) Human

[SwissProt: P52840](#) Mouse

[Unigene: 567342](#) Human

[Unigene: 368982](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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