SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SULT1A1 antibody

Catalog Number: SL6283R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SULT1A1
Immunogen:	KLH conjugated synthetic peptide derived from human SULT1A1: 151-250/295
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig)
Predicted MW.:	34 kDa
Subcellular Location:	cytoplasmic
Background:	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-

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	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. **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

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