

## Rabbit Anti-Estrogen Sulfotransferase antibody

SL0629R

<b>Product Name</b>	Estrogen Sulfotransferase
<b>Chinese Name</b>	雌激素硫酸转移酶抗体
<b>Alias</b>	Estrogen Sulfotransferase; Ste; SULT1E1; Estrogen sulfotransferase, testis isoform; Sulfotransferase, estrogen-preferring; EST; EST1; STE; sulfotransferase family 1E, estrogen-preferring, member 1; Sulfotransferase estrogen preferring; ST1E1_HUMAN.
<b>Research Area</b>	immunology Growth factors and hormones Kinases and Phosphatases
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human, (predicted: Mouse, Rat, Dog, Pig, Horse, Rabbit, ) WB=1:500-2000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	32kDa
<b>Cellular localization</b>	cytoplasmic
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Estrogen Sulfotranferase: 51-145/294
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>

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 a protein that transfers a sulfo moiety to and from estrone, which may control levels of estrogen receptors.

**Function:**

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of estradiol and estrone. May play a role in the regulation of estrogen receptor activity by metabolizing free estradiol. Maximally sulfates beta-estradiol and estrone at concentrations of 20 nM. Also sulfates dehydroepiandrosterone, pregnenolone, ethinylestradiol, equalenin, diethylstilbesterol and 1-naphthol, at significantly higher concentrations; however, cortisol, testosterone and dopamine are not sulfated.

**Subunit:**

Homodimer.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Liver, intestine and at lower level in the kidney.

**Similarity:**

Belongs to the sulfotransferase 1 family.

**SWISS:**

P49888

**Gene ID:**

6783

**Database links:**

[Entrez Gene: 6783](#) Human

[Entrez Gene: 25355](#) Rat

[Omim: 600043](#) Human

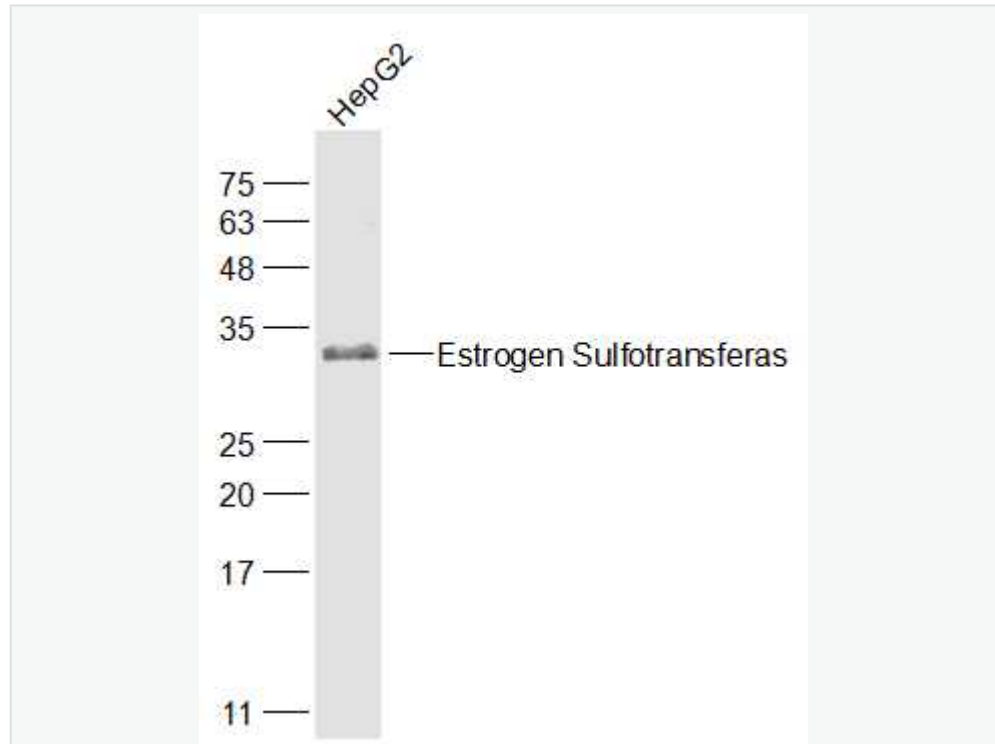
**Product Detail**

[SwissProt: P49888](#) Human

[SwissProt: P52844](#) Rat

[Unigene: 479898](#) Human

**Product Picture**



Sample:

HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-Estrogen Sulfotransferase (SL0629R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 32 kD

Observed band size: 32 kD