SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TSKS antibody

Catalog Number: SL11413R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TSKS
Immunogen:	KLH conjugated synthetic peptide derived from human TSKS: 121-170/592
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 ICC/IF=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, Dog, Pig, Cow, Rabbit, Sheep)
Predicted MW.:	65kDa
Subcellular Location:	cytoplasmic
Background:	TSKS is a 592 amino acid protein that is highly expressed in human testicular tissue. Low levels of TSKS are detectable in prostate, placenta, fetal liver, thymus, and mammary gland tissues. TSKS is found to be downregulated in cancerous testicular tissue from seminoma, teratocarcinoma, embryonal and Leydig cell tumors concurrently with high expression in neighboring premalignant carcinoma. TSKS protein contains an N-terminal signal peptide, but does not contain a transmembrane region. TSKS has many potential phosphorylation and glycosylation sites and is phosphorylated by soluble recombinant TSSK2 in vitro. It is thought that TSKS likely plays a physiological role in spermatogenesis or spermiogenesis.

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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	Function: A novel putative serine/threonine kinase substrate gene (TSKS, for testis-specific kinase substrate) is likely the human homolog of the mouse testis-specific serine kinase substrate gene. TSKS exhibits high levels of expression exclusively in human testicular tissue. The expression of TSKS is downregulated in cancerous testicular tissue, in comparison to adjacent normal tissue. These observations suggest a role of TSKS in testicular physiology, most probably in the process of spermatogenesis or spermiogenesis. **Subcellular Location:** Cytoplasmic **Tissue Specificity:** Highly expressed in testis. Expressed at low levels in prostate, female breast, placenta, ovary and thymus. **Post-translational modifications:** Phosphorylated on serine residue(s) by STK22A/TSSK1 and STK22B/TSSK2. **Database links:** **Entrez Gene:** 60385 Human Omim: 608253 Human **SwissProt:** Q9UJT2 Human **Unigene:** 515858 Human

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