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Rabbit Anti-TSKS antibody

SL11413R

Product Name:	TSKS
Chinese Name:	睾丸特异激酶底物蛋白抗体
Alias:	STK22 substrate 1; Stk22s1; Testis specific kinase substrate; Testis specific serine kinase substrate; TSKS; TSKS1; MGC134104; TSKS_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TSKS:121-170/592
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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. **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. **SWISS:** Q9UJT2 **Gene ID:** 60385 **Database links:** Entrez Gene: 60385Human Omim: 608253Human SwissProt: Q9UJT2Human Unigene: 515858Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.