



# TESK2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-15013
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TESK2
<b>Protein Name</b>	Dual specificity testis-specific protein kinase 2
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TESK2. AA range:201-250
<b>Specificity</b>	TESK2 Polyclonal Antibody detects endogenous levels of TESK2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TESK2; Dual specificity testis-specific protein kinase 2; Testicular protein kinase 2
<b>Observed Band</b>	65kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Predominantly expressed in testis and prostate. Found predominantly in non-germinal Sertoli cells.
<b>Function</b>	alternative products:Experimental confirmation may be lacking for some isoforms,catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,cofactor:Manganese.,enzyme regulation:Activated by autophosphorylation on Ser-219.,function:Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. Phosphorylates cofilin at 'Ser-3'. May play an important role in spermatogenesis.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Predominantly expressed in testis and prostate. Found predominantly in non-germinal Sertoli cells.,
<b>Background</b>	testis-specific kinase 2(TESK2) Homo sapiens This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain that is structurally similar to the kinase domains of testis-specific protein kinase-1



and the LIM motif-containing protein kinases (LIMKs). Its overall structure is most related to the former, indicating that it belongs to the TESK subgroup of the LIMK/TESK family of protein kinases. This gene is predominantly expressed in testis and prostate. The developmental expression pattern of the rat gene in testis suggests an important role for this gene in meiotic stages and/or early stages of spermiogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],

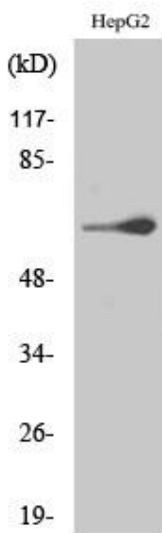
**matters needing attention**

Avoid repeated freezing and thawing!

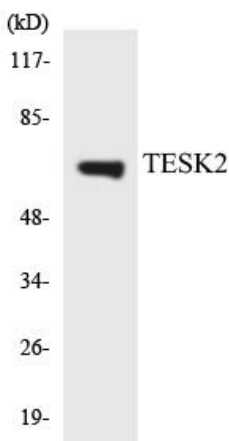
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using TESK2 Polyclonal Antibody



Western blot analysis of the lysates from K562 cells using TESK2 antibody.