



TESK2 Polyclonal Antibody

Catalog No	YP-Ab-15013
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	TESK2
Immunogen	The antiserum was produced against synthesized peptide derived from human TESK2. AA range:201-250
Specificity	TESK2 Polyclonal Antibody detects endogenous levels of TESK2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TESK2;Testicular protein kinase 2;testis kinase 2;Dual specificity testis-specific protein kinase 2
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Nucleus .
Tissue Specificity	Predominantly expressed in testis and prostate. Found predominantly in non-germinal Sertoli cells.
Function	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.,



Background

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],

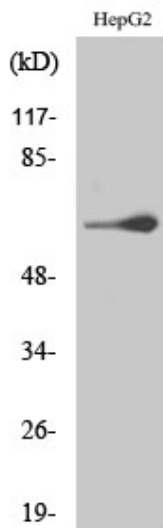
matters needing attention

Avoid repeated freezing and thawing!

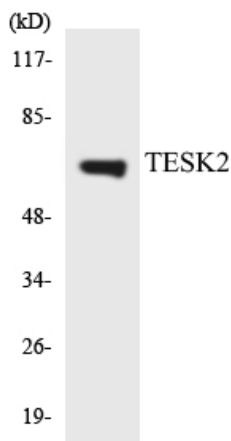
Usage suggestions

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.