



# TESK2 Monoclonal Antibody

<b>Catalog No</b>	BYmab-15013
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<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 Monoclonal 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>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<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.,

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## 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],

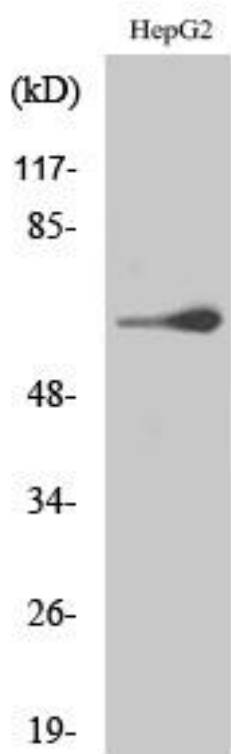
## matters needing attention

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 Monoclonal Antibody