

TSSK 4 Polyclonal Antibody

Catalog No :	YT4767
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	TSSK 4
Gene Name :	TSSK4
Protein Name :	Testis-specific serine/threonine-protein kinase 4
Human Gene Id :	283629
Human Swiss Prot No :	Q6SA08
Mouse Gene Id :	71099
Mouse Swiss Prot No :	Q9D411
Immunogen :	The antiserum was produced against synthesized peptide derived from human TSSK4. AA range:211-260
Specificity :	TSSK 4 Polyclonal Antibody detects endogenous levels of TSSK 4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 40kD

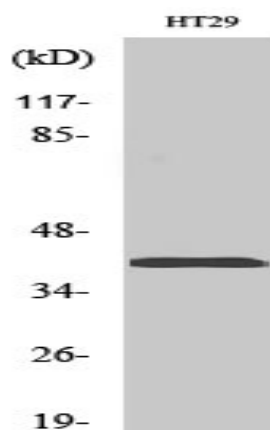
Background : This gene encodes a member of the testis-specific serine/threonine kinase family. The encoded protein is thought to be involved in spermatogenesis via stimulation of the CREB/CRE responsive pathway through phosphorylation of the cAMP responsive element binding protein transcription factor. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010],

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-197, potentially by autophosphorylation.,function:May be involved in a signaling pathway during male germ cell development or mature sperm function (By similarity). Phosphorylates CREB1 on Ser-133 and stimulates downstream signaling.,PTM:Autophosphorylated (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed only in the testis.,

Subcellular Location : Cytoplasmic vesicle, secretory vesicle, acrosome . Cell projection, cilium, flagellum . In spermatozoa, present in the sperm head and in the flagellum. .

Expression : Expressed only in the testis.

Products Images



Western Blot analysis of various cells using TSSK 4 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

