



TSSK 4 Monoclonal Antibody

Catalog No	BYmab-15022
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	TSSK4
Protein Name	Testis-specific serine/threonine-protein kinase 4
Immunogen	The antiserum was produced against synthesized peptide derived from human TSSK4. AA range:211-260
Specificity	TSSK 4 Monoclonal Antibody detects endogenous levels of TSSK 4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TSSK4; C14orf20; STK22E; TSSK5; Testis-specific serine/threonine-protein kinase 4; TSK-4; TSSK-4; Testis-specific kinase 4; Serine/threonine-protein kinase 22E
Observed Band	40kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, acrosome . Cell projection, cilium, flagellum . In spermatozoa, present in the sperm head and in the flagellum. .
Tissue Specificity	Expressed only in the testis.
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.,

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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],

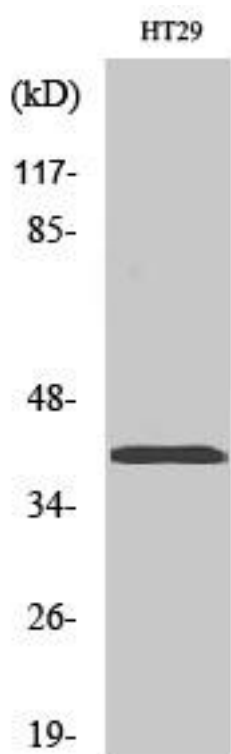
matters needing attention

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 TSSK 4 Monoclonal Antibody