

Immunotag™ TESK1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4607
Product Description	Immunotag™ TESK1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TESK1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from TESK1, at AA range: 150-230
Specificity	TESK1 Polyclonal Antibody detects endogenous levels of TESK1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TESK1
Accession No.	Q15569 O70146 Q63572
Alternate Names	TESK1; Dual specificity testis-specific protein kinase 1; Testicular protein kinase 1

Antibody Specification

Description	testis-specific kinase 1(TESK1) Homo sapiens This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain and a C-terminal proline-rich domain. Its protein kinase domain is most closely related to those of the LIM motif-containing protein kinases (LIMKs). The encoded protein can phosphorylate myelin basic protein and histone in vitro. The testicular germ cell-specific expression and developmental pattern of expression of the mouse gene suggests that this gene plays an important role at and after the meiotic phase of spermatogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015],
Cell Pathway/ Category	Regulation of Microtubule Dynamics
Protein Expression	Brain, Eye, Hepatoma, Kidney, Serous papillary carcinoma, Testis,
Subcellular Localization	cytosol,
Protein Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium., cofactor:Manganese., domain:The extracatalytic C-terminal part is highly rich in proline residues., enzyme regulation:Activated by autophosphorylation on Ser-220., function:Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. Probably plays a central role at and after the meiotic phase of spermatogenesis., PTM:Autophosphorylated on serine and tyrosine residues., similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family., similarity:Contains 1 protein kinase domain., subunit:Interacts with SPRY4.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.