

For Research Use Only

TSSK4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83401-4-PBS



Basic Information

Catalog Number:	83401-4-PBS	GenBank Accession Number:	BC111088	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	283629	CloneNo.:	240373F10
Source:	Rabbit	UNIPROT ID:	Q6SA08		
Isotype:	IgG	Full Name:	testis-specific serine kinase 4		
Immunogen Catalog Number:	AG16205	Calculated MW:	338 aa, 37 kDa		
		Observed MW:	38-45 kDa		

Applications

Tested Applications:
WB, IHC, IF-P, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

TSSK4 (Testis-specific serine/threonine-protein kinase 4), testis-specific serine/threonine protein kinase 4, is a member of the testis-specific serine/threonine protein kinase family. It has autophosphorylation activity and self-binding properties; it can interact with and phosphorylate other proteins, e.g., it can bind to and phosphorylate Odf2. It's reported that TSSK4 plays an important role in spermatogenesis, TSSK4 knockout male mice develop reduced sperm motility and reduced fertility. In addition, TSSK4 regulates lung fibrosis by promoting the loss of alveolar epithelial type II cells through the HSP90-AKT signaling pathway.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

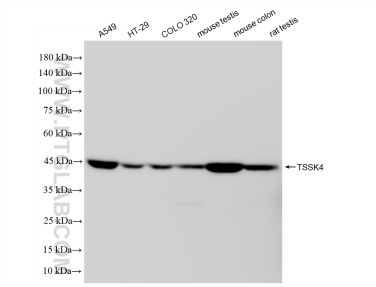
T: 4006900926

E: Proteintech-CN@ptglab.com

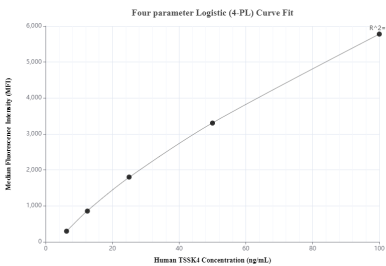
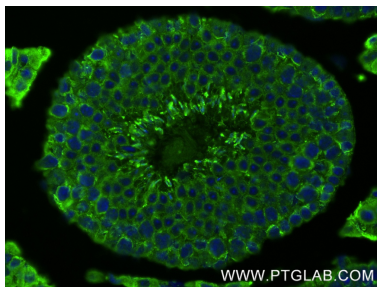
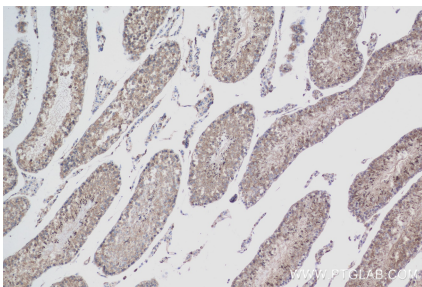
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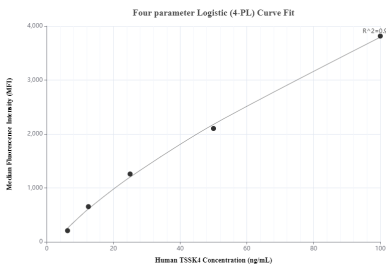
Selected Validation Data



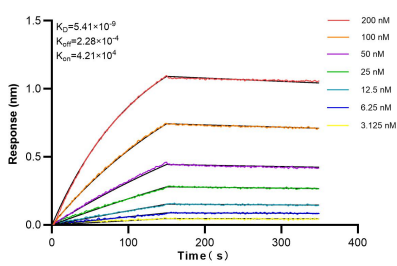
Various lysates were subjected to SDS PAGE followed by western blot with 83401-4-RR (TSSK4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83401-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00436-2, TSSK4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83401-1-PBS. Detection antibody: 83401-4-PBS. Standard: Ag16205. Range: 6.25-100 ng/mL.



Cytometric bead array standard curve of MP00436-3, TSSK4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83401-2-PBS. Detection antibody: 83401-4-PBS. Standard: Ag16205. Range: 6.25-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83401-4-RR against Human TSSK4 were performed. The affinity constant is 5.41 nM.