

For Research Use Only

TSSK6 Polyclonal antibody

Catalog Number: 14081-1-AP



Basic Information

Catalog Number: 14081-1-AP	GenBank Accession Number: BC014611	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 83983	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: Q9BXA6	
Isotype: IgG	Full Name: testis-specific serine kinase 6	
Immunogen Catalog Number: AG5209	Calculated MW: 30.3 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, rat testis tissue
Species Specificity: human, mouse, rat	

Background Information

TSSK6 (testis-specific serine kinase 6) is a testis-specific protein kinase that is highly conserved in mammals and essential for spermatogenesis. In spermatozoa, TSSK6 is expressed after meiosis and is localized to the nucleus of spermatocytes and to the posterior part of the head of spermatozoa. TSSK6-deficient spermatozoa exhibit a defective histone-to-fischerin transition (required for chromatin remodeling after meiosis), as well as a reduction in actin polymerization in spermatocytes. The result is striking morphological defects in the spermatozoa, including nuclear malformations, a hairpin shape with the head facing backward, or complete separation of the head. In addition, Tssk6 is frequently aberrantly expressed in colorectal cancer and exhibits oncogenic activity.

Storage

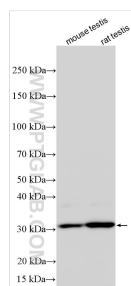
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14081-1-AP (TSSK6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.