

For Research Use Only

# TSSK6 Polyclonal antibody, PBS Only

Catalog Number:14081-1-PBS



## Basic Information

<b>Catalog Number:</b> 14081-1-PBS	<b>GenBank Accession Number:</b> BC014611	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 83983	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BXA6	
<b>Isotype:</b> IgG	<b>Full Name:</b> testis-specific serine kinase 6	
<b>Immunogen Catalog Number:</b> AG5209	<b>Calculated MW:</b> 30.3 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

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

**Storage Buffer:**  
PBS only, pH7.3

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

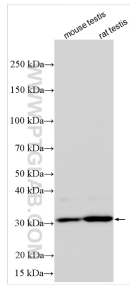
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 14081-1-PBS in a different storage buffer formulation.