

For Research Use Only

# TSSK6 Polyclonal antibody

Catalog Number: 14081-1-AP



## Basic Information

Catalog Number:

14081-1-AP

Size:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5209

GenBank Accession Number:

BC014611

GeneID (NCBI):

83983

UNIPROT ID:

Q9BXA6

Full Name:

testis-specific serine kinase 6

Calculated MW:

30.3 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse testis tissue, rat testis tissue

## 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

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

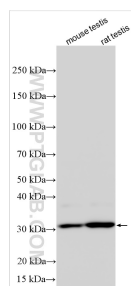
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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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.