

For Research Use Only

TSSK6 Polyclonal antibody, PBS Only

Catalog Number:14081-1-PBS



Basic Information

Catalog Number:

14081-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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

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 spermatozoa. 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.

Storage Buffer:

PBS only, pH7.3

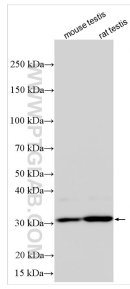
For technical support and original validation data for this product please contact:

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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.