

For Research Use Only

TSSK2 Polyclonal antibody

Catalog Number: 13806-1-AP



Basic Information

Catalog Number:

13806-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4805

GenBank Accession Number:

BC037781

GeneID (NCBI):

23617

UNIPROT ID:

Q96PF2

Full Name:

testis-specific serine kinase 2

Calculated MW:

358 aa, 41 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells,

Background Information

TSSK2 (Testis-Specific Serine/Threonine Kinase 2) is a member of the TSSK family, predominantly expressed in the testis and involved in spermiogenesis and male fertility. It is localized in various regions of sperm, including the centrioles of post-meiotic spermatids, the tail, acrosomal regions, and the midpiece. TSSK2 plays a crucial role in sperm maturation by phosphorylating substrates such as TSKS and SPAG16L. Studies have shown that TSSK2 knockout mice exhibit infertility due to impaired spermatid elongation and sperm maturation. Additionally, TSSK2 is considered a promising target for reversible male contraception, with several potent inhibitors identified through high-throughput screening.

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

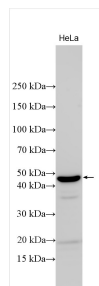
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13806-1-AP (TSSK2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.