

For Research Use Only

TSSK2 Polyclonal antibody, PBS Only

Catalog Number: 13806-1-PBS



Basic Information

Catalog Number: 13806-1-PBS	GenBank Accession Number: BC037781	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23617	
Source: Rabbit	UNIPROT ID: Q96PF2	
Isotype: IgG	Full Name: testis-specific serine kinase 2	
Immunogen Catalog Number: AG4805	Calculated MW: 358 aa, 41 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS Only

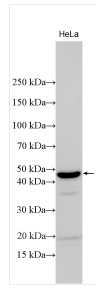
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13806-1-AP (TSSK2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13806-1-PBS in a different storage buffer formulation.