

For Research Use Only

C3orf62 Polyclonal antibody

Catalog Number: 32718-1-AP



Basic Information

Catalog Number: 32718-1-AP	GenBank Accession Number: BC023586	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 375341	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q6ZUJ4	
Isotype: IgG	Full Name: chromosome 3 open reading frame 62	
Immunogen Catalog Number: AG37728	Calculated MW: 30 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : human testis tissue, mouse testis tissue, rat testis tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse testis tissue, rat testis tissue

Background Information

Arrest-type spermatogenic failure refers to the arrest of spermatogenesis at a specific stage, such as spermatogonia, spermatocytes, or spermatids. It is mainly caused by genetic factors, particularly variants in key spermatogenic genes (e.g., TEX11, MSH5, C3ORF62, MEI1, etc.), and represents one of the most distinctive forms of male infertility (PMID: 41669890). The C3orf62 is essential for normal spermatogenesis and male fertility (PMID: 33064489; 38175751).

Storage

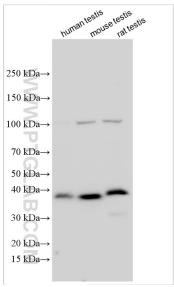
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

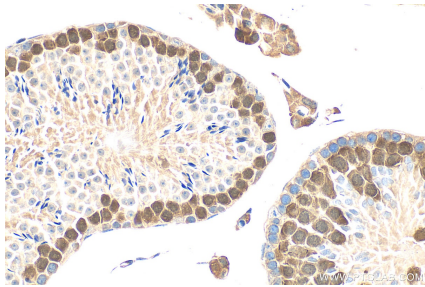
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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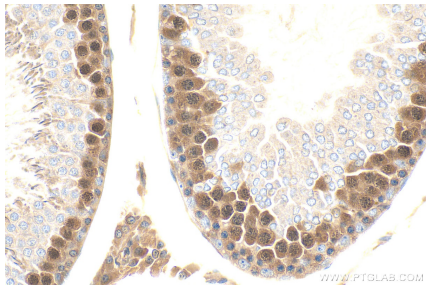
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32718-1-AP (C3orf62 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 32718-1-AP (C3orf62 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 32718-1-AP (C3orf62 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).