

For Research Use Only

CoraLite®647-conjugated TNP1 Polyclonal antibody



Catalog Number:CL647-17178

Basic Information

Catalog Number: CL647-17178	GenBank Accession Number: BC029516	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7141	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: transition protein 1 (during histone to protamine replacement)	Excitation/Emission maxima wavelengths: 650 nm/665 nm
Isotype: IgG	Calculated MW: 55 aa, 7 kDa	
Immunogen Catalog Number: AG10890	Observed MW: 6-10 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse testis tissue,
Species Specificity: human, mouse, rat	

Background Information

Transition nuclear proteins (TNP1 and TNP2) are the major nuclear proteins that replace somatic histones during spermatogenesis. TNPs are required for normal chromatin condensation and functional sperm development, spermatogenesis was found to be compromised in both Tnp1 and Tnp2 null mice. TNP1, or TP1, localized in nucleus, is a spermatid-specific product of the haploid genome which replaces histone and is itself replaced in the mature sperm by the protamines. Recently, TNP-1 was used as a germ cell marker in condensing spermatids.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

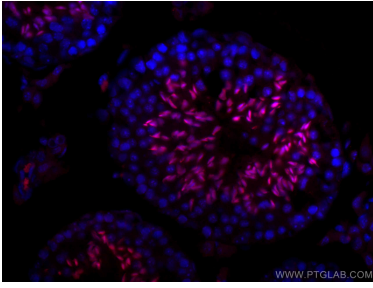
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

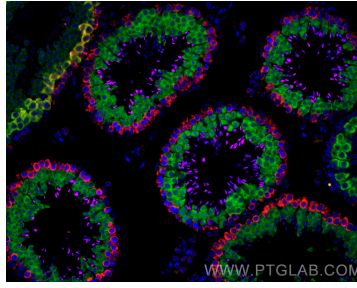
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®647 TNP1 antibody (CL647-17178) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®647 TNP1 antibody (CL647-17178) at dilution of 1:200, CoraLite®594 DAZL antibody (CL594-12633, red), CoraLite®488 BOULE antibody (CL488-13720, green).