

For Research Use Only

# CoraLite® Plus 488-conjugated BOULE Polyclonal antibody



Catalog Number: CL488-13720

## Basic Information

<b>Catalog Number:</b> CL488-13720	<b>GenBank Accession Number:</b> BC033674	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 66037	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> bol, boule-like (Drosophila)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 283 aa, 31 kDa	
<b>Immunogen Catalog Number:</b> AG4662		

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : mouse testis tissue,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

BOULE, also called BOLL, belongs to the RRM DAZ family. BOULE has been identified as being involved in regulating the development and differentiation of germ cells and playing an essential role in infertility (PMID: 31683986). BOULE is specifically expressed in testis, but not in early embryos, primordial germ cells, and spermatogonial cells. It is first expressed in the cytoplasm of spermatocytes and then persists through meiosis. BOULE has 5 isoforms with the molecular mass of 19 and 31-38 kDa. This antibody detects two bands in testis, the lower band of ~40 kDa in size corresponds to the predicted endogenous BOULE protein, while the upper band may be an isoform or posttranslationally modified version of the BOULE protein (PMID: 27632217).

## Storage

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

\*\*\* 20ul sizes contain 0.1% BSA

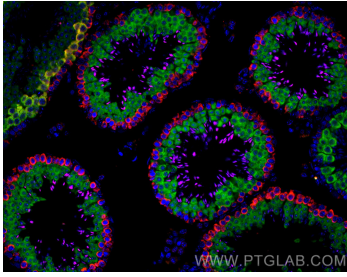
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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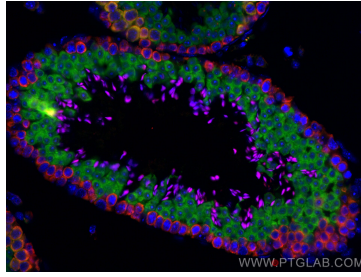
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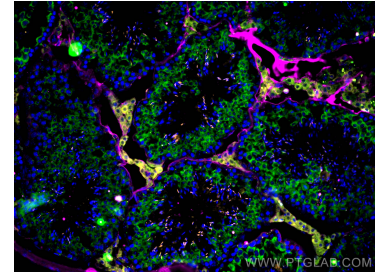
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite® Plus 488 BOULE antibody (CL488-13720) at dilution of 1:400, CoraLite® 594 DAZL antibody (CL594-12633, red), CoraLite® Plus 647 TNP1 antibody (CL647-17178, Magenta).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite® Plus 488 BOULE antibody (CL488-13720) at dilution of 1:400, CoraLite® 594 DAZL antibody (CL594-12633, red), CoraLite® Plus 647 TNP1 antibody (CL647-17178, Magenta).



Immunofluorescent analysis of (cold ethanol) fixed mouse testis tissue using CoraLite® Plus 488 BOULE antibody (CL488-13720) at dilution of 1:100, CoraLite® 555 TNP1 antibody (CL555-17178, orange), STAR antibody (67130-1-Ig, Clone: 1G6E6, Magenta).