

For Research Use Only

# CoraLite® Plus 488-conjugated AKAP3 Monoclonal antibody

Catalog Number: CL488-66255



## Basic Information

<b>Catalog Number:</b> CL488-66255	<b>GenBank Accession Number:</b> BC047535	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10566	<b>CloneNo.:</b> 3C11H9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75969	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> A kinase (PRKA) anchor protein 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG4885	<b>Calculated MW:</b> 95 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

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

## Background Information

AKAP3 is a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. AKAP3 is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. AKAP3 is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction.

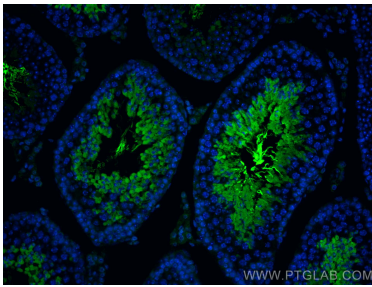
## Storage

**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

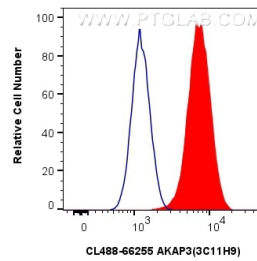
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite® Plus 488 AKAP3 antibody (CL488-66255, Clone: 3C11H9) at dilution of 1:200.



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated AKAP3 Monoclonal antibody (CL488-66255, Clone:3C11H9)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).