

For Research Use Only

# CoraLite® Plus 488-conjugated AKAP3 Monoclonal antibody

Catalog Number: CL488-66255



## Basic Information

Catalog Number:

CL488-66255

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4885

GenBank Accession Number:

BC047535

GeneID (NCBI):

10566

UNIPROT ID:

O75969

Full Name:

A kinase (PRKA) anchor protein 3

Calculated MW:

95 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

3C11H9

Recommended Dilutions:

IF-P: 1:50-1:500

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a  
100 µl suspension

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P: mouse testis tissue,

FC (Intra): Jurkat cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

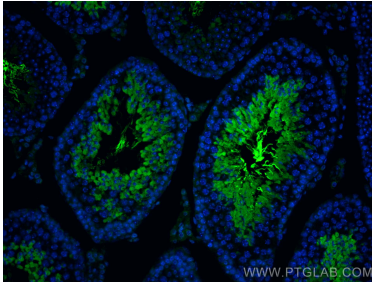
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

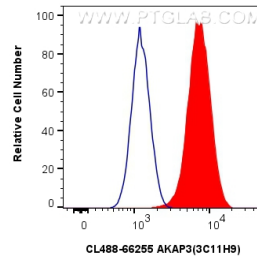
W: [ptgcn.com](http://ptgcn.com)

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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.