For Research Use Only

AKAP3 Monoclonal antibody

Catalog Number:66255-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66255-1-Ig

Size:
150ul , Concentration: 1760 µg/ml by Bradford method using BSA as the standard;

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:
WB 1:1000-1:4000
IHC 1:50-1:500
IF-P 1:200-1:800

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human testis tissue,

IHC : mouse testis tissue,

IF-P : mouse testis tissue,

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

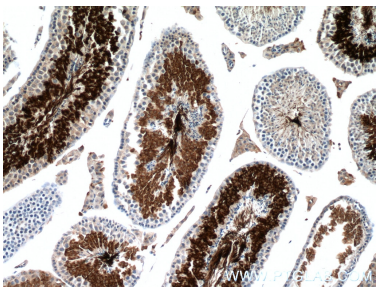
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

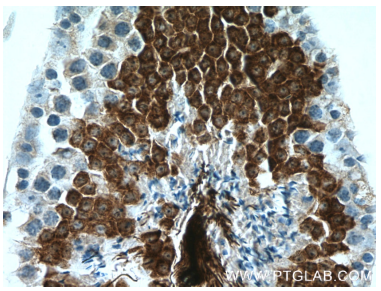
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

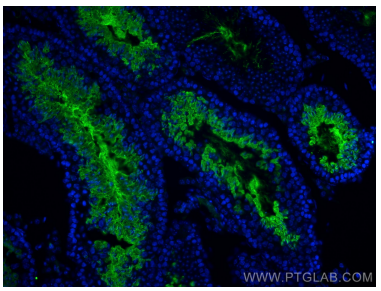
Selected Validation Data



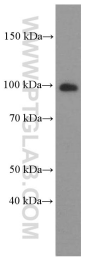
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66255-1-Ig (AKAP3 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



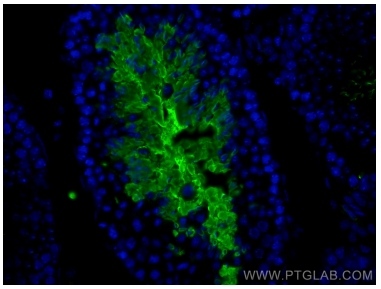
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66255-1-Ig (AKAP3 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using AKAP3 antibody (66255-1-Ig, Clone: 3C11H9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



human testis tissue were subjected to SDS PAGE followed by western blot with 66255-1-Ig (AKAP3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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