

AKAP3 Monoclonal antibody

Catalog Number: 66255-1-Ig

Basic Information

Catalog Number: 66255-1-Ig	GenBank Accession Number: BC047535	Purification Method: Protein A purification
Size: 1760 µg/ml	GeneID (NCBI): 10566	CloneNo.: 3C11H9
Source: Mouse	UNIPROT ID: O75969	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2a	Full Name: A kinase (PRKA) anchor protein 3	
Immunogen Catalog Number: AG4885	Calculated MW: 95 kDa Observed MW: 100 kDa	

Applications

Tested Applications:

IF-P, IHC, WB, 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 : 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:

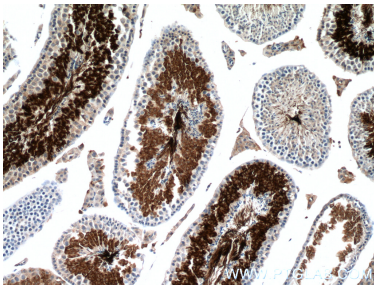
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

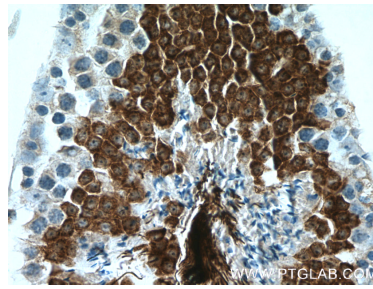
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

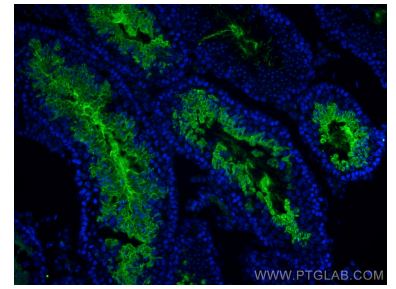
Selected Validation Data



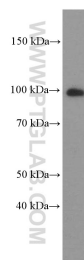
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66255-1-Ig (AKAP3 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



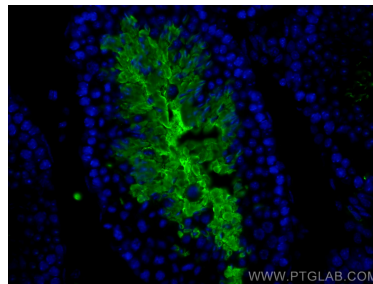
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66255-1-Ig (AKAP3 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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).