

For Research Use Only

AKAP3 Polyclonal antibody

Catalog Number: 13907-1-AP **18 Publications**



Basic Information

Catalog Number: 13907-1-AP	GenBank Accession Number: BC047535	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 10566	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: O75969	IHC 1:50-1:500 IF 1:400-1:1600
Isotype: IgG	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	Positive Controls:
Cited Applications: WB, IP, IF, IHC, CoIP	WB: mouse testis tissue, rat testis tissue
Species Specificity: human, mouse, rat	IHC: mouse testis tissue,
Cited Species: human, mouse, pig	IF: mouse testis tissue,

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan-Wei Sha	30298696	Clin Genet	IF
Yuki Kaneda	35618043	Dev Biol	WB
Shadma Fatima	25820252	Sci Rep	WB, IF, IHC, IP

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

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

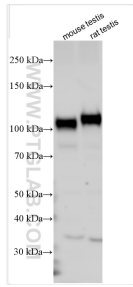
T: 4006900926

E: Proteintech-CN@ptglab.com

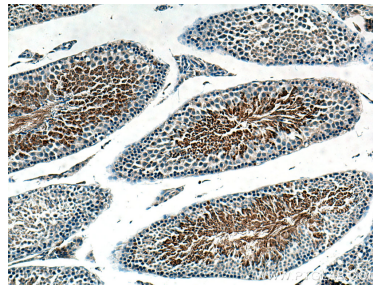
W: ptgcn.com

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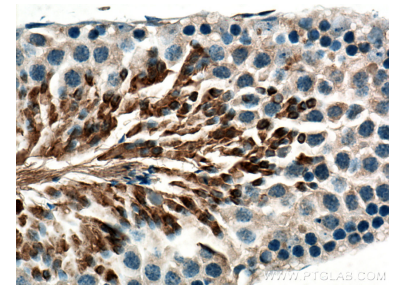
Selected Validation Data



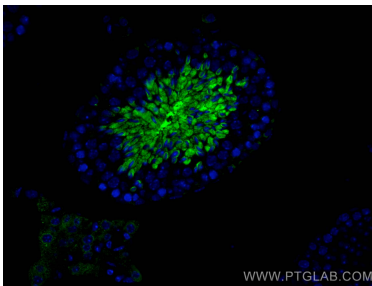
Various lysates were subjected to SDS PAGE followed by western blot with 13907-1-AP (AKAP3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



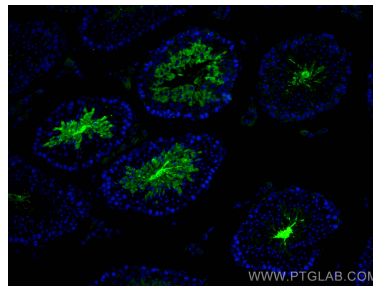
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13907-1-AP (AKAP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13907-1-AP (AKAP3 antibody) at dilution of 1:200 (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 (13907-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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