

For Research Use Only

AKAP3 Polyclonal antibody

Catalog Number: 13907-1-AP

20 Publications



Basic Information

Catalog Number: 13907-1-AP	GenBank Accession Number: BC047535	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 10566	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: O75969	IHC 1:200-1:800
Isotype: IgG	Full Name: A kinase (PRKA) anchor protein 3	IF-P 1:400-1:1600
Immunogen Catalog Number: AG4885	Calculated MW: 95 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP, CoIP	WB : mouse testis tissue, rat testis tissue
Species Specificity: human, mouse, rat	IHC : rat testis tissue, mouse testis tissue
Cited Species: human, mouse, pig	IF-P : 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

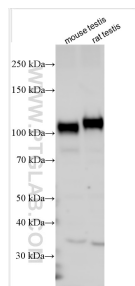
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

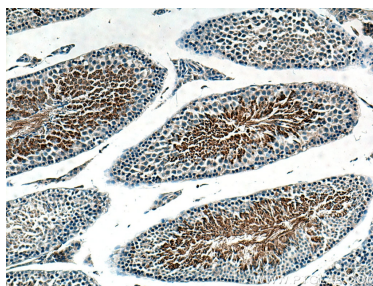
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

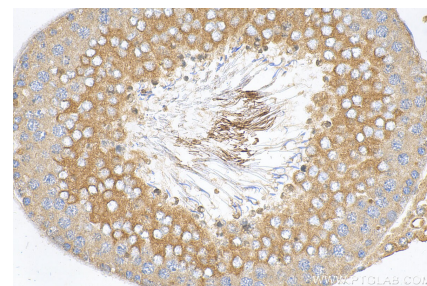
Selected Validation Data



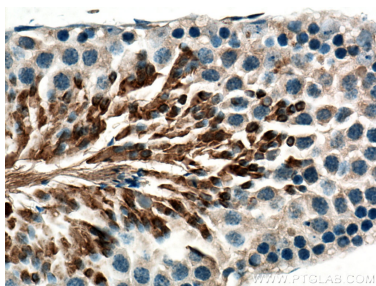
Various lysates were subjected to SDS PAGE followed by western blot with 13907-1-AP (AKAP3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



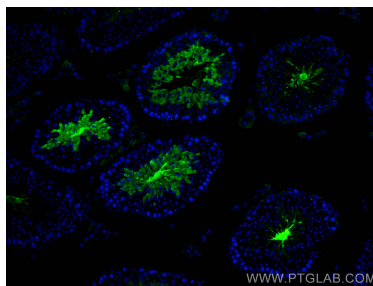
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13907-1-AP (AKAP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



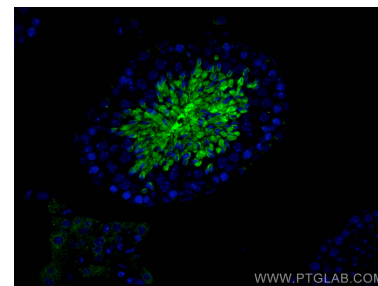
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 13907-1-AP (AKAP3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using AKAP3 antibody (13907-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).