

For Research Use Only

AKAP4 Polyclonal antibody

Catalog Number: 24986-1-AP

2 Publications



Basic Information

Catalog Number: 24986-1-AP	GenBank Accession Number: BC126252	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8852	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200
Source: Rabbit	Full Name: A kinase (PRKA) anchor protein 4	
Isotype: IgG	Calculated MW: 854 aa, 94 kDa	
Immunogen Catalog Number: AG21762	Observed MW: 82 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human testis tissue, IHC : human breast cancer tissue,
Cited Applications: IF, WB	
Species Specificity: human	
Cited Species: human	
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

AKAP4, also named as A-kinase anchor protein 82 kDa, is a 854 amino acid protein, which belongs to the AKAP110 family. AKAP4 localizes to the principle piece of the sperm flagellum and is only expressed in round spermatids. AKAP4 is a major structural component of sperm fibrous sheath and plays a role in sperm motility.

Notable Publications

Author	Pubmed ID	Journal	Application
Tong Liu	28674022	Proc Natl Acad Sci U S A	WB
Yuan Yuan	34935173	Andrologia	IF

Storage

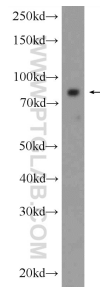
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

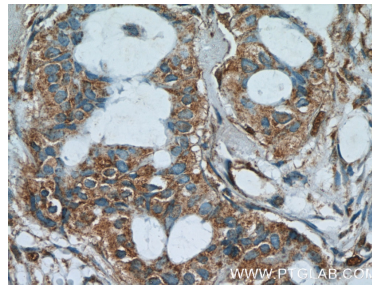
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 24986-1-AP (AKAP4 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24986-1-AP (AKAP4 Antibody) at dilution of 1:50 (under 40x Lens).