

For Research Use Only

# AKAP4 Polyclonal antibody

Catalog Number: 24986-1-AP

5 Publications



## Basic Information

Catalog Number:

24986-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21762

GenBank Accession Number:

BC126252

GeneID (NCBI):

8852

UNIPROT ID:

Q5JQC9

Full Name:

A kinase (PRKA) anchor protein 4

Calculated MW:

854 aa, 94 kDa

Observed MW:

82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

## Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

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 : human breast cancer tissue,

## 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
Hong Ren	39123763	Animals (Basel)	WB

## 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:

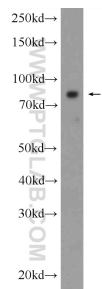
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

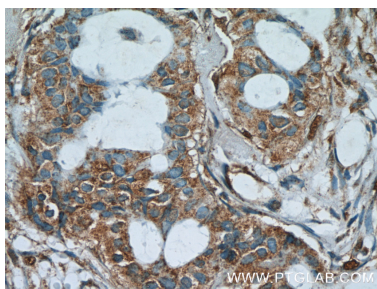
W: [ptgcn.com](http://ptgcn.com)

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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).