

For Research Use Only

AKAP4 Polyclonal antibody

Catalog Number: 24986-1-AP

6 Publications



Basic Information

Catalog Number:

24986-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: human testis tissue,

IHC: human breast cancer 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

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
Yongjie Xu	34336820	Front Cell Dev Biol	WB
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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

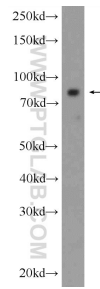
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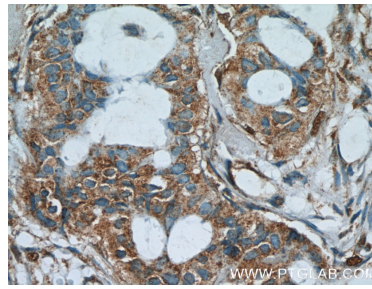
E: proteintech@ptglab.com
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Selected Validation Data



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).