

AKAP3 Polyclonal Antibody

Catalog number: 13907-1-AP

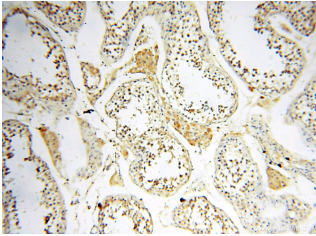
Size: 74 µg/150 µl

Source: Rabbit

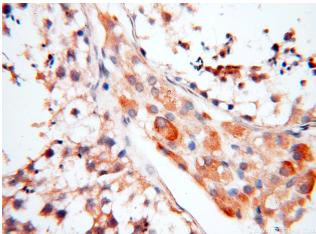
Isotype: IgG

Synonyms:

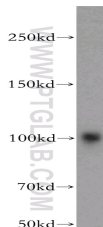
AKAP3; A kinase anchor protein 3, AKAP 110, AKAP 3, AKAP110, AKAP3, Cancer/testis antigen 82, CT82, Fibrousheathin 1, Fibrousheathin I, FSP95, PRKA3, SOB1, Sperm oocyte binding protein



Immunohistochemical of paraffin-embedded human testis using 13907-1-AP (AKAP3 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human testis using 13907-1-AP (AKAP3 antibody) at dilution of 1:100 (under 40x lens)



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13907-1-AP (AKAP3 antibody) at dilution of 1:5000

Background

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.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated AKAP3 MW:	95 kDa
Observed AKAP3 MW:	100 kDa
Positive WB detected in	Mouse testis tissue
Positive IHC detected in	Human testis tissue, human heart tissue, human kidney tissue, human skin tissue
Recommended dilution:	WB: 1:1000-1:10000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4885
GenBank accession number:	BC047535
Gene ID (NCBI):	10566
Full name:	A kinase (PRKA) anchor protein 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.