

SPATA7 Polyclonal Antibody

Catalog number: 12020-1-AP

Size: 20 µg/150 µl

Source: Rabbit

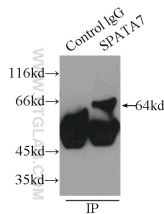
Isotype: IgG

Synonyms:

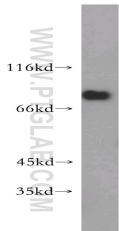
SPATA7; DKFZp686D07199,

HSD 3.1, HSD3, SPATA7,

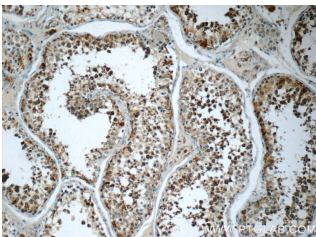
spermatogenesis associated 7



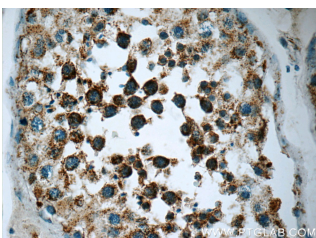
IP Result of anti-SPATA7 (IP:12020-1-AP, 3µg; Detection:12020-1-AP 1:300) with mouse testis tissue lysate 8000µg.



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12020-1-AP(SPATA7 antibody) at dilution of 1:300



Immunohistochemistry of paraffin-embedded human testis tissue slide using 12020-1-AP (SPATA7 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human

Background

SPATA7, also named as HSD3, may be involved in retinal function. It is interesting to note that mutations in SPATA7 cause LCA and RP/ARRP , two overlapping but distinct human retinal diseases. SPATA7 is another LCA and Juvenile RP Gene.(PMID:19268277) It is a highly conserved, vertebrate-specific protein which expressed in the mature retina. For some modification, the MW always migrate 5-8kd. The antibody can recognize all the 3 isoforms of SPATA7.

Applications

Tested applications:	ELISA, WB, IP, IHC
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Mouse
Calculated SPATA7 MW:	599aa, 68 kDa
Observed SPATA7 MW:	68-80 kDa
Positive WB detected in	Mouse testis tissue, PC-3 cells, Y79 cells
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human testis tissue, human gliomas tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

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

Immunogen information

Immunogen:	Ag2649
GenBank accession number:	BC008656
Gene ID (NCBI):	55812
Full name:	Spermatogenesis associated 7

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

testis tissue slide using 12020-
1-AP (SPATA7 Antibody) at
dilution of 1:50 (under 40x
lens)