

For Research Use Only

SPERT Polyclonal antibody

Catalog Number: 17826-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

17826-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12200

GenBank Accession Number:

BC027609

GeneID (NCBI):

220082

UNIPROT ID:

Q8NA61

Full Name:

spermatid associated

Calculated MW:

448 aa, 47 kDa, 52 kDa

Observed MW:

48-52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse testis tissue, mouse spermatophore tissue,

PC-3 cells

IF/ICC : PC-3 cells,

Background Information

SPERT (spermatid associated protein), also known as CBY2 (chibby homolog 2) or NURIT, is a novel leucine-zipper protein belonging to the chibby family of proteins [PMID:12204287]. Uniquely expressed in the spermatid flower-like structure, SPERT interacts with Nek1, a member of the NIMA-family kinase family that is associated centrosomal stability and ciliogenesis. It contains a leucine-zipper motif and two coiled-coil regions, and is transcribed through the elongation stage of the spermatids. SPERT is absent from mature spermatozoa and is thought to be involved in transporting proteins that are to be discarded via the residual bodies. [PMID:12204287]

Notable Publications

Author	Pubmed ID	Journal	Application
Guohui Zhang	38733656	Reprod Biol	WB,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

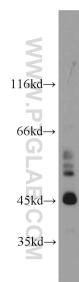
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

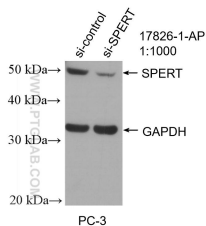
E: proteintech@ptglab.com
W: ptglab.com

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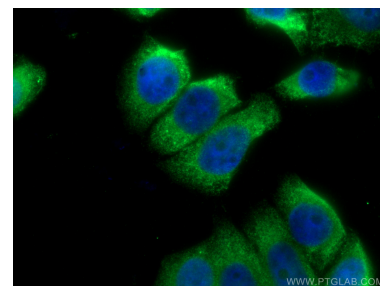
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 17826-1-AP (SPERT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of SPERT antibody (17826-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPERT transfected PC-3 cells.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using SPERT antibody (17826-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).