

For Research Use Only

RSPH9 Polyclonal antibody

Catalog Number: 23253-1-AP

9 Publications



Basic Information

Catalog Number:

23253-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19745

GenBank Accession Number:

BC029519

GeneID (NCBI):

221421

UNIPROT ID:

Q9H1X1

Full Name:

radial spoke head 9 homolog (Chlamydomonas)

Calculated MW:

276 aa, 31 kDa

Observed MW:

31-35 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse testis tissue, NIH/3T3 cells, rat testis tissue

IHC: rat brain 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

RSPH9 (Radial Spoke Head 9 Homolog) is a protein involved in the structure and function of cilia and flagella. Cilia and flagella are hair-like structures that extend from the surface of many eukaryotic cells and play critical roles in cell motility, sensory perception, and signaling. The RSPH9 protein is a component of the radial spoke, a structure within the axoneme (the core of cilia and flagella) that is essential for the regulation of ciliary and flagellar movement.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhang	36417862	Cell Rep	WB, IF
Jintao Zhang	34169321	Hum Mol Genet	WB, IF
Shushu Zhou	35388187	Eur J Hum Genet	

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

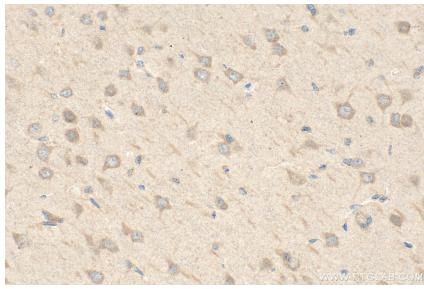
For technical support and original validation data for this product please contact:

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

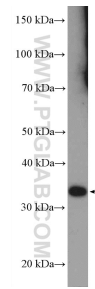
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 23253-1-AP (RSPH9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse testis tissue were subjected to SDS PAGE followed by western blot with 23253-1-AP (RSPH9 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.