

For Research Use Only

TULP1 Polyclonal antibody

Catalog Number: 18971-1-AP

1 Publications



Basic Information

Catalog Number:

18971-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5598

GenBank Accession Number:

BC032714

GeneID (NCBI):

7287

UNIPROT ID:

O00294

Full Name:

tubby like protein 1

Calculated MW:

489 aa, 55 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Y79 cells, human brain tissue, mouse retina tissue

IHC : human eye tissue,

Background Information

TULP1, also known as RP14, LCA15, and TUBL1, is a member of the tubby-like protein (TULP) family. TULP1 is expressed exclusively in the retina and is essential for the transport of rhodopsin from its site of synthesis in the inner segments through the connecting cilium to the outer segments (PMID: 17620573). Mutations in TULP1 are associated with Retinitis pigmentosa 14 and Leber congenital amaurosis-15 (PMID: 17620573, 17962469).

Notable Publications

Author	Pubmed ID	Journal	Application
Mingzhu Yang	39333705	Sci Rep	WB

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

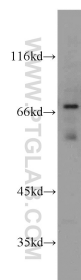
For technical support and original validation data for this product please contact:

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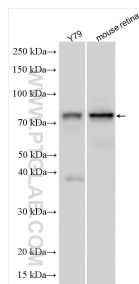
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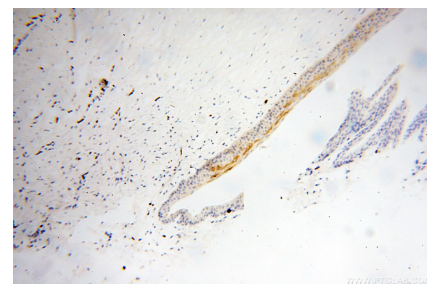
Selected Validation Data



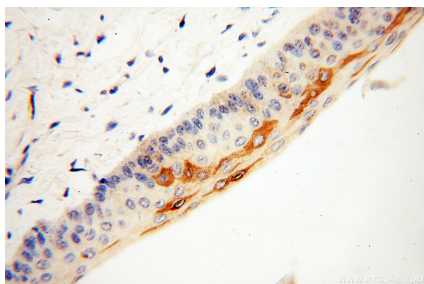
human brain tissue were subjected to SDS PAGE followed by western blot with 18971-1-AP (TULP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 18971-1-AP (TULP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human eye using 18971-1-AP (TULP1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human eye using 18971-1-AP (TULP1 antibody) at dilution of 1:50 (under 40x lens).