

For Research Use Only

DYNLT1 Polyclonal antibody

Catalog Number: 11954-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

11954-1-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2557

GenBank Accession Number:

BC029412

GeneID (NCBI):

6993

UNIPROT ID:

P63172

Full Name:

dynein, light chain, Tctex-type 1

Calculated MW:

113 aa, 12 kDa

Observed MW:

12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:600

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : human brain tissue, human heart tissue, Sp2/O cells

IP : mouse skeletal muscle tissue,

IHC : human pancreas tissue,

IF-P : mouse testis tissue,

IF/ICC : SH-SY5Y cells,

Background Information

DYNLT (or Tctex-1) was originally described as a light chain component of the dynein motor complex. Tctex-1 also has several dynein-independent functions, including roles in G protein signaling activation and neuronal growth. Tctex-1 is selectively enriched in proliferating neural progenitors of both embryonic and adult brains. Genetic knockdown of Tctex-1 in radial precursors promoted neurogenesis, indicating its implication in regulation of cortical neurogenesis. (Pubmed: 19448628)

Notable Publications

Author	Pubmed ID	Journal	Application
Marina Nagler	26410677	Biochem Pharmacol	WB
Yiqing Wang	34810061	J Clin Neurosci	WB
Tianyu Wu	36395215	Science	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

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

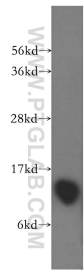
T: 4006900926

E: Proteintech-CN@ptglab.com

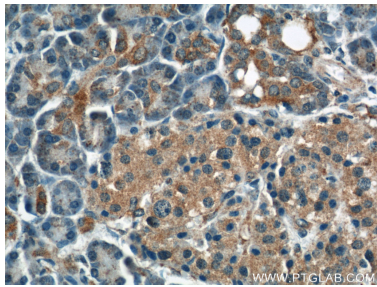
W: ptgcn.com

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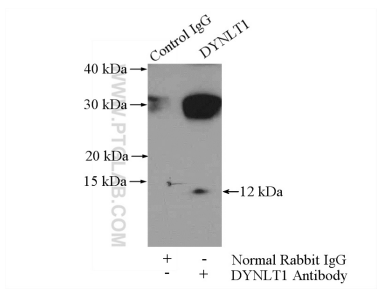
Selected Validation Data



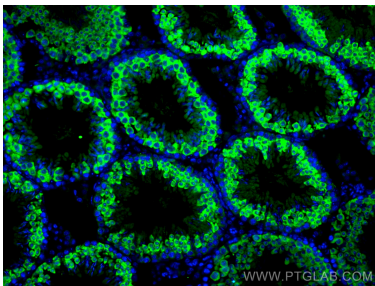
human brain tissue were subjected to SDS PAGE followed by western blot with 11954-1-AP (DYNLT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



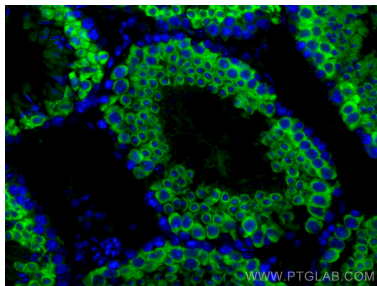
Immunohistochemical analysis of paraffin-embedded human pancreas using 11954-1-AP (DYNLT1 antibody) at dilution of 1:50 (under 40x lens).



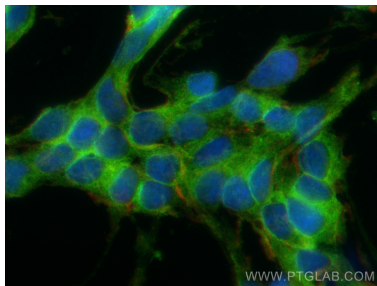
IP result of anti-DYNLT1 (IP:11954-1-AP, 4ug; Detection:11954-1-AP 1:300) with mouse skeletal muscle tissue lysate 3600ug.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DYNLT1 antibody (11954-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DYNLT1 antibody (11954-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using DYNLT1 antibody (11954-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).