

For Research Use Only

DYNLT1 Monoclonal antibody

Catalog Number: 68312-1-Ig **Featured Product**



Basic Information

Catalog Number:

68312-1-Ig

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG33072

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:

Protein A purification

CloneNo.:

2E3D4

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A549 cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IF/ICC : H9C2 cells, C2C12 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. (PMID: 19448628)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

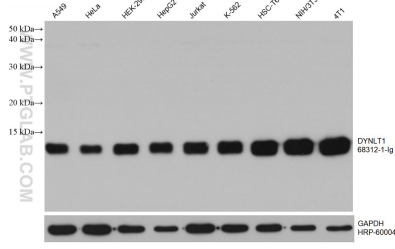
T: 4006900926

E: Proteintech-CN@ptglab.com

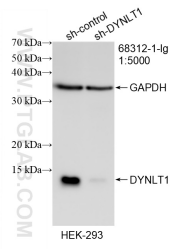
W: ptgcn.com

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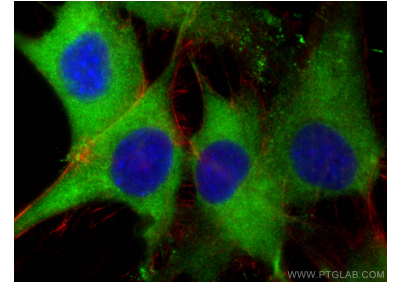
Selected Validation Data



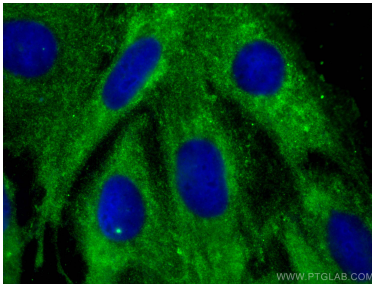
Various lysates were subjected to SDS PAGE followed by western blot with 68312-1-1g (DYNLT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of DYNLT1 antibody (68312-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DYNLT1 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C12 cells using DYNLT1 antibody (68312-1-Ig, Clone: 2E3D4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed H9C2 cells using DYNLT1 antibody (68312-1-Ig, Clone: 2E3D4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).