

For Research Use Only

# DYNC1H1 Recombinant antibody

Catalog Number: 85397-4-RR



## Basic Information

Catalog Number:

85397-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2999

GenBank Accession Number:

BC021297

GeneID (NCBI):

1778

UNIPROT ID:

Q14204

Full Name:

dynein, cytoplasmic 1, heavy chain 1

Calculated MW:

4646 aa, 532 kDa

Observed MW:

532 kDa

Purification Method:

Protein A purification

CloneNo.:

242706B12

Recommended Dilutions:

WB: 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, Jurkat cells, HEK-293T cells, NIH/3T3 cells

## Background Information

Dyneins are a group of microtubule-activated ATPases that convert chemical energy into mechanical energy. It can be divided into 2 large subgroups, namely, the axonemal and cytoplasmic dyneins. The conventional cytoplasmic dynein comprises 2 heavy chain polypeptides and several intermediate and light chains. DYNC1H1 is a cytoplasmic dynein and belongs to the dynein heavy chain family. It acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. DYNC1H1 has been implicated in the degeneration of dopaminergic neuron axons and motor neurons in PD patients.

## 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:

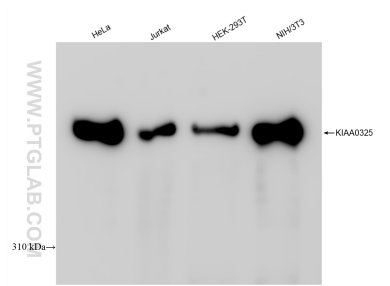
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85397-4-RR (KIAA0325 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.