

For Research Use Only

# DYNC1H1 Recombinant antibody

Catalog Number: 85397-4-RR



## Basic Information

<b>Catalog Number:</b> 85397-4-RR	<b>GenBank Accession Number:</b> BC021297	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1778	<b>CloneNo.:</b> 242706B12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14204	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> dynein, cytoplasmic 1, heavy chain 1	
<b>Immunogen Catalog Number:</b> AG2999	<b>Calculated MW:</b> 4646 aa, 532 kDa	
	<b>Observed MW:</b> 532 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> 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

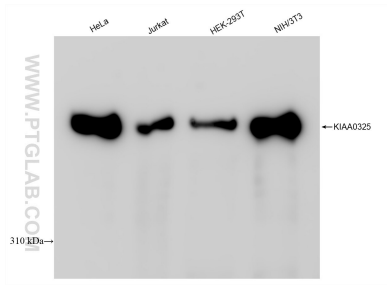
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

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