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# DYNC1H1 Recombinant antibody, PBS Only Catalog Number:85397-4-PBS



# Basic Information

- Catalog Number: 85397-4-PBS Size: 100ug , Concentration: 1 mg/ml by Nanodrop; 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

# **Applications**

Tested Applications: WB, Indirect ELISA Species Specificity: human, mouse

#### **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 -80°C. Storage Buffer: PBS only, pH7.3

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.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. This data was developed using the same antibody clone with 85397-4-PBS in a different storage buffer formulation.

Biolayer interferometry (BLI) kinetic assays of 85397-4-RR against Human DYNC1H1 were performed. The affinity constant is below 1 pM.