

For Research Use Only

# DYNC1L12 Recombinant monoclonal antibody

Catalog Number:87490-1-RR



## Basic Information

Catalog Number:

87490-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13452

GenBank Accession Number:

BC025959

GeneID (NCBI):

1783

UNIPROT ID:

O43237

Full Name:

dynein, cytoplasmic 1, light intermediate chain 2

Calculated MW:

492 aa, 54 kDa

Observed MW:

48-55 kDa

Purification Method:

Protein A purification

CloneNo.:

252844F3

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HT-1080 cells, SKOV-3 cells, SiHa cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

## Background Information

Cytoplasmic dynein is a microtubule-associated motor protein. DYNC1L12 (Cytoplasmic dynein 1 light intermediate chain 2), also known as LIC2, belongs to the dynein light intermediate chain family. DYNC1L12 acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. It may play a role in binding dynein to membranous organelles or chromosomes. Northern blot analysis of rat tissues detected high expression of DYNC1L12 in skeletal muscle, testis, heart, lung, and brain, and lower expression in liver, kidney, and spleen (PMID: 7738094).

## 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:

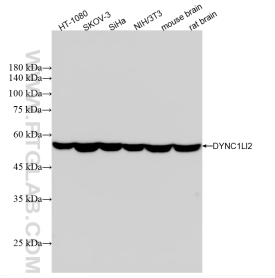
T: 4006900926

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

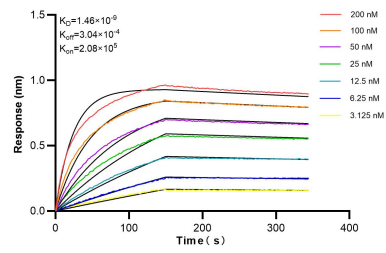
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87490-1-RR (DYNC1L2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87490-1-RR against Human DYNC1L2 were performed. The affinity constant is 1.46 nM.