

# DYNLL1 Rabbit pAb

Catalog No.: A5742

## Basic Information

### Observed MW

13kDa

### Calculated MW

10kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse

## Background

Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. They contain two force-producing heads formed primarily from dynein heavy chains, and stalks linking the heads to a basal domain, which contains a varying number of accessory intermediate chains. The complex is involved in intracellular transport and motility. The protein described in this record is a light chain and exists as part of this complex but also physically interacts with and inhibits the activity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric oxide synthase dimer, a conformation necessary for activity, and it may regulate numerous biologic processes through its effects on nitric oxide synthase activity. Alternate transcriptional splice variants have been characterized.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

8655

### Swiss Prot

P63167

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-89 of human DYNLL1 (NP\_003737.1).

### Synonyms

DYNLL1;DLC1;DLC8;DNCL1;DNCLC1;LC8;LC8a;PIN;hdlc1

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

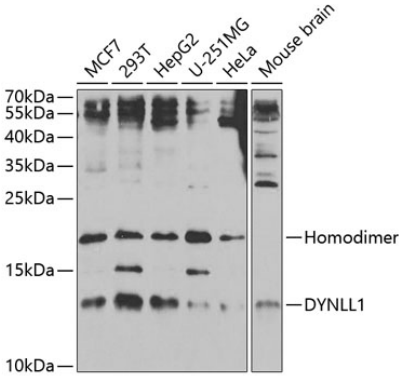
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

# Validation Data



Western blot analysis of extracts of various cell lines, using DYNLL1 antibody (A5742) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.