

## DYNLL1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 10kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human DYNLL1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

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

**Catalog #:** A5742

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 8655

**Isotype:** IgG

**Swiss Prot:** P63167

**Purity:** Affinity purification

For research use only.

**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.

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