

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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