

## Datasheet for ABIN2784485

# anti-DYNLL1 antibody (Middle Region)





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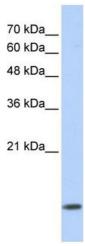
| Quantity:             | 100 μL   |
|-----------------------|--|
| Target:               | DYNLL1   |
| Binding Specificity:  | Middle Region  |
| Reactivity:           | Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Zebrafish (Danio rerio), Goat  |
| Host:                 | Rabbit   |
| Clonality:            | Polyclonal   |
| Conjugate:            | This DYNLL1 antibody is un-conjugated  |
| Application:          | Western Blotting (WB)  |
| Product Details       |  |
| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human DYNLL1  |
| Sequence:             | EKDIAAHIKK EFDKKYNPTW HCIVGRNFGS YVTHETKHFI YFYLGQVAIL   |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93% |
| Characteristics:      | This is a rabbit polyclonal antibody against DYNLL1. It was validated on Western Blot using a cell lysate as a positive control.   |
| Purification:         | Affinity Purified  |
| Target Details        |  |
| Target:               | DYNLL1   |
|                       |  |

| larget Details      |  |
|---------------------|--|
| Alternative Name:   | DYNLL1 (DYNLL1 Products)   |
| 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. DYNLL1 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. 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 comple:          |
|                     | 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.   |
|                     | Alias Symbols: DLC1, DLC8, DNCL1, DNCLC1, LC8, LC8a, MGC126137, MGC126138, PIN, hdlc1                |
|                     | Protein Interaction Partner: UBC, DYNC1I1, CCDC36, IQUB, AMBRA1, AMOTL2, KANK2, BECN1,               |
|                     | BMI1, EED, GNB2L1, RPS21, RPS5, RPS3, RPS2, RPSA, HDLBP, FKBP3, FAU, DYNC1LI2, NRF1,                 |
|                     | AMOT, DYRK1B, DYRK1A, TERT, STK24, PRKACB, PRKACA, GSK3B, STK26, STK25, CSNK1A1,                     |
|                     | PAK1, UL122, IQCB1, BCL2L11, NA  |
|                     | Protein Size: 89   |
| Molecular Weight:   | 10 kDa   |
| Gene ID:            | 8655   |
| NCBI Accession:     | NM_001037494, NP_001032583   |
| UniProt:            | P63167   |
| Pathways:           | M Phase, Tube Formation, Positive Regulation of Endopeptidase Activity                               |
| Application Details |  |
| Application Notes:  | Optimal working dilutions should be determined experimentally by the investigator.                   |
| Comment:            | Antigen size: 89 AA  |

### **Application Details**

| Restrictions:      | For Research Use only   |
|--------------------|---|
| Handling           |   |
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.  |
| Storage:           | -20 °C  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images



#### **Western Blotting**

Image 1. WB Suggested Anti-DYNLL1 Antibody Titration:0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control:Transfected 293T