

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2024

Product Information

Application	WB
Primary Accession	Q9Y6G9
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Names	24GB8115
Calculated MW	56579
Gene Name	DYNC1LI1
Aliases	DYNC1LI1; Dynein Cytoplasmic 1 Light Intermediate Chain 1; DNCLI1; Dynein, Cytoplasmic, Light Intermediate Polypeptide 1; Cytoplasmic Dynein 1 Light Intermediate Chain 1; Dynein Light Intermediate Chain 1, Cytosolic 3; Dynein Light Chain A; DLIC-1; DLC-A; LIC1
Immunogen	Recombinant protein of human DYNC1LI1

Additional Information

Gene ID	51143
Other Names	Cytoplasmic dynein 1 light intermediate chain 1, LIC1, Dynein light chain A, DLC-A, Dynein light intermediate chain 1, cytosolic, DLIC-1, DYNC1LI1, DNCLI1

Protein Information

Name	DYNC1LI1
Synonyms	DNCLI1
Function	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. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in binding dynein to membranous organelles or chromosomes. Probably involved in the microtubule-dependent transport of pericentrin. Is required for progress through the spindle assembly checkpoint. The phosphorylated form appears to be involved in the selective removal of MAD1L1 and MAD1L2 but not BUB1B from kinetochores. Forms a functional Rab11/RAB11FIP3/dynein complex onto endosomal membrane that regulates the movement of peripheral sorting endosomes (SE) along microtubule tracks toward the microtubule organizing center/centrosome, generating the endosomal recycling compartment (ERC) (PubMed: 20026645).

Cellular Location

Cytoplasm. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole. Recycling endosome membrane. Note=During interphase, localized in vesicles continuously moving from peripheral sorting endosomes in the cell towards the pericentrosomal endosomal recycling compartment (ERC)

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