

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI2024**Specification****KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	Q9Y6G9
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	Predicted, 57 kDa, observed, 57 kDa kDa
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

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody - 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	

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody - 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: <http://www.uniprot.org/citations/20026645>).

Cellular Location

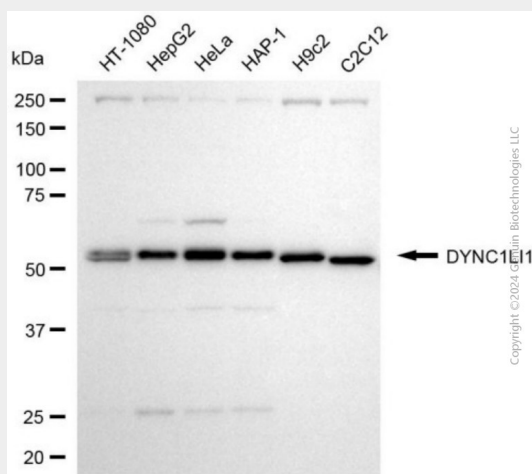
Cytoplasm. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole. Recycling endosome membrane. Note=During interphase, localized in vesicles continuously moving from peripheral sorting endosomes in the cell towards the pericentrosomal endosomal recycling compartment (ERC)

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody - Protocols

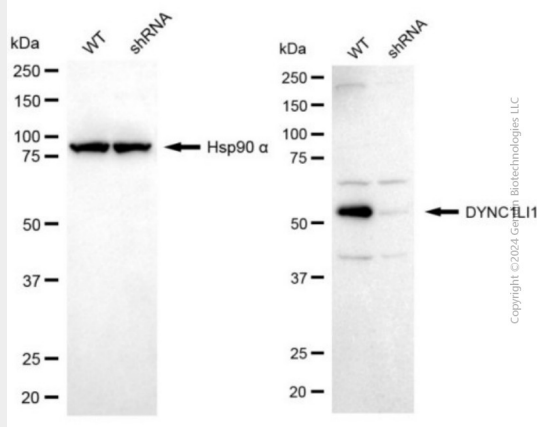
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-DYNC1LI1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-DYNC1LI1 antibody (Cat#AGI2024). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DYNC1LI1 antibody (Cat#AGI2024, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-DYNC1LI1 antibody (Cat#AGI2024). DYNC1LI1 expression in wild-type (WT) and DYNC1LI1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-DYNC1LI1 antibody (Cat#AGI2024, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.