Product Name: KD-Validated DYNC1LI1 Mouse Monoclonal Antibody
Catalog #: KVAb00576
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 56.6kDa

Antigen Information

Gene Name	DYNC1LI1
Alternative Names	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
Gene ID	51143.0
SwissProt ID	Q9Y6G9
Immunogen	Recombinant protein of human DYNC1LI1

Background

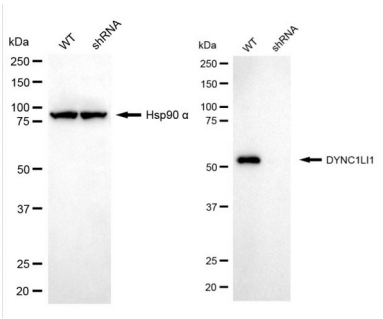
The protein encoded by this gene belongs to light intermediate subunit family, whose members are components of the multiprotein cytoplasmic dynein complex, which is involved in intracellular trafficking and chromosome segregation during

mitosis. The protein plays a role in moving the spindle assembly checkpoint (SAC) from kinetochores to spindle poles. The protein may also mediate binding to other cargo molecules to facilitate intracellular vesicle trafficking. [provided by RefSeq, Jul 2016]

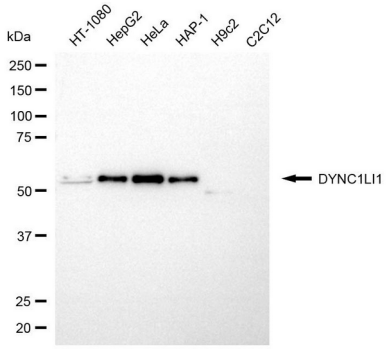
Research Area

Cell Biology

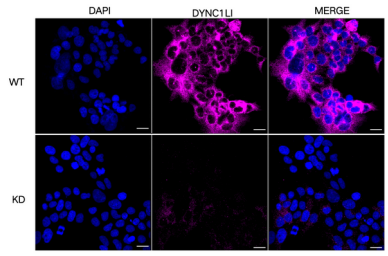
Image Data



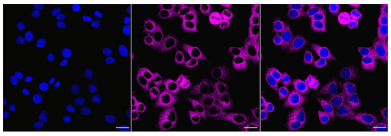
Western blotting analysis using DYNC1LI1 antibody (KVAb00576). DYNC1LI1 expression in wild-type (WT) and DYNC1LI1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DYNC1LI1 antibody (KVAb00576, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



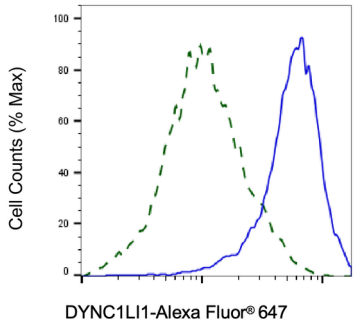
Western blotting analysis using DYNC1LI1 antibody (KVAb00576). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DYNC1LI1 antibody (KVAb00576, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



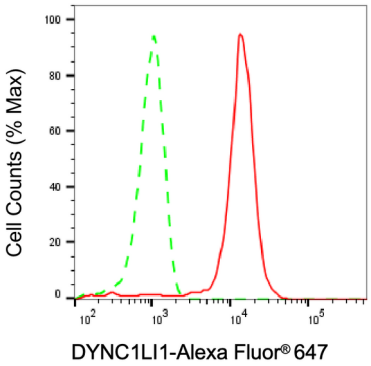
Immunocytochemical staining of HeLa cells using DYNC1LI1 antibody (KVAb00576, 1:1,000), Top panel: wild-type (WT); Bottom panal: DYNC1LI1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; DYNC1LI1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with DYNC1LI1 antibody (KVAb00576, 1:500) . Nuclei were stained blue with DAPI; DYNC1LI1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of DYNC1LI1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with DYNC1LI1 antibody (KVAb00576, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of DYNC1LI1 expression in HepG2 cells using DYNC1LI1 antibody (KVAb00576, 1:1,000). Green, isotype control; red, DYNC1LI1.