

Monoclonal anti-human DYNLL antibody (clone AT13C9)

Mouse IgG_{2b}, κ

Cat. No. IBATGA0383

Immunogen: Recombinant human DYNLL (1-89aa) purified from *E. coli*

NCBI Accession No.: NP_003737

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-human DYNLL mAb, clone AT13C9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human DYNLL protein.

Description: The LC8 family members of dynein light chains (DYNLL1 and DYNLL2 in vertebrates) are highly conserved ubiquitous eukaryotic homodimer proteins that interact, besides dynein and myosin 5a motor proteins, with a large (and still incomplete) number of proteins involved in diverse biological functions.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, Flow cytometry, ICC/IF

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

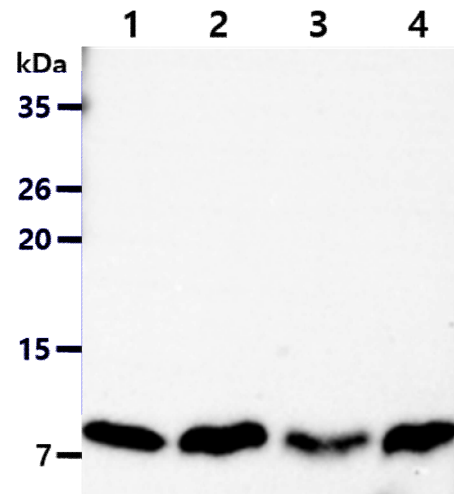
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Product information

Western blot analysis

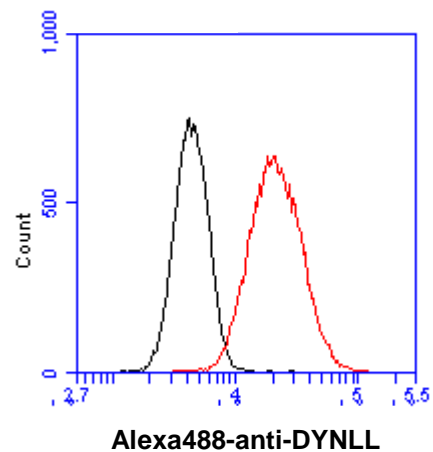
The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human DYNLL antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1. : HeLa cell lysate
 Lane 2. : A549 cell lysate
 Lane 3. : 293T cell lysate
 Lane 4. : HepG2 cell lysate



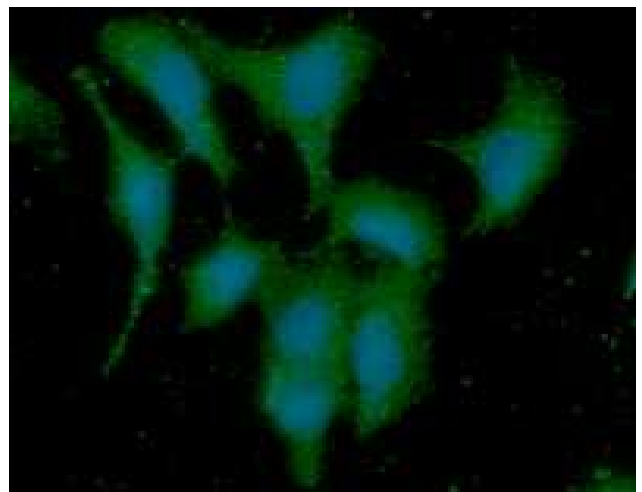
Flow cytometry

Flow cytometry analysis of DYNLL in A549 cell line, staining at 2-5ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



ICC/IF analysis

ICC/IF analysis of DYNLL in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human DYNLL antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



General references: Rapali P., *et al.* (2011) *FEBS J.* **278(17)**: 2980-2996.
 Radnai L., *et al.* (2010) *J Biol Chem.* **285(49)**: 38649-38657.

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