

Human PIN/DYNLL1 antibody

Catalog Number: ATGA0383

PRODUCT INFORMATION

Catalog number

ATGA0383

Clone No.

AT13C9

Product type

Monoclonal Antibody

UnitProt No.

P63167

NCBI Accession No.

NP_003737

Alternative Names

Dynein light chain 1 cytoplasmic, DLC1, DLC8, DNCL1, DNCLC1, hdlc1, LC8, LC8a, MGC126137, MGC126138, PIN, 8 kDa dynein light chain, Dynein light chain LC8-type 1, Protein inhibitor of neuronal nitric oxide synthase

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

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

Isotype

IgG2b kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

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

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

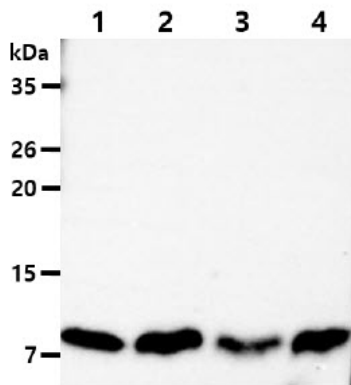
General References

Rapali P., et al. (2011) FEBS J. 278(17): 2980-2996.

Radnai L., et al. (2010) J Biol Chem. 285(49): 38649-38657.

DATA

Western blot analysis (WB)



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.

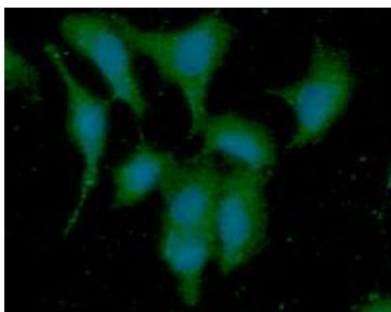
Lane 1. : HeLa cell lysate

Lane 2. : A549 cell lysate

Lane 3. : 293T cell lysate

Lane 4. : HepG2 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



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).