

[Go to Product page](#)

Datasheet for ABIN2173627

anti-DLC1 antibody (AA 1-80) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	DLC1
Binding Specificity:	AA 1-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLC1 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DLC1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DLC1
Alternative Name:	DLC1 (DLC1 Products)
Background:	Synonyms: LC8, PIN, DLC1, DLC8, LC8a, DNCL1, hdlc1, DNCLC1, Dynein light chain 1,

Target Details

cytoplasmic, 8 kDa dynein light chain, Dynein light chain LC8-type 1, Protein inhibitor of neuronal nitric oxide synthase, DYNLL1

Background: 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 changing or maintaining the spatial distribution of cytoskeletal structures. Binds and inhibits the catalytic activity of neuronal nitric oxide synthase. Promotes transactivation functions of ESR1 and plays a role in the nuclear localization of ESR1. Regulates apoptotic activities of BCL2L11 by sequestering it to microtubules. Upon apoptotic stimuli the BCL2L11-DYNLL1 complex dissociates from cytoplasmic dynein and translocates to mitochondria and sequesters BCL2 thus neutralizing its antiapoptotic activity.

Gene ID: 8655

UniProt: [P63167](#)

Pathways: [Tube Formation](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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