

Mouse anti-Human DNAL1 Monoclonal Antibody | anti-DNAL1 antibody

DNAL1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48157	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

DNAL1; Monoclonal Antibody; DNAL1 antibody; Dynein light chain 1 axonemal; Dynein light chain 1; axonemal; C14orf168; CILD16; anti-DNAL1 antibody

PRODUCT SPECIFICATIONS

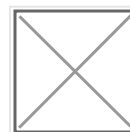
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT29E4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	190
Applicable Applications for anti-DNAL1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human DNAL1 (1-190aa) purified from E. coli
Clone Note	Anti-human DNAL1 mAb, clone AT29E4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human DNAL1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of DNAL1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human DNAL1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of DNAL1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human DNAL1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HeLa, HepG2 and MCF7 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human DNAL1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAL1 antibody	DNAL1, also known as dynein light chain 1 axonemal, is component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. DNAL1 is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. Homozygous mutations in the DNAL1 gene are associated with primary ciliary dyskinesia 16 (CILD16) which is a disorder characterized by abnormalities of motile cilia.
Product Categories/Family for anti-DNAL1 antibody	Signal Transduction
References	Mazor. M., et al. (2011) Am J Hum Genet 88: 599-607; Horvath. J., et al. (2005) Am J Respir Cell Mol Biol 33: 41-47

NCBI AND UNIPROT INFORMATION

NCBI GI #	164607156
NCBI GeneID	83544
NCBI Accession #	NP_113615
NCBI GenBank Nucleotide #	NM_031427.3
UniProt Accession #	Q4LDG9; Q5JPB7; Q9BS43; B2RD38
Molecular Weight	17,096 Da
NCBI Official Full Name	dynein light chain 1, axonemal isoform 1
NCBI Official Synonym Full Names	dynein axonemal light chain 1
NCBI Official Symbol	DNAL1
NCBI Official Synonym Symbols	LC1; CILD16; C14orf168
NCBI Protein Information	dynein light chain 1, axonemal
UniProt Protein Name	Dynein light chain 1, axonemal
UniProt Gene Name	DNAL1
UniProt Synonym Gene Names	LC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/dnal1-antibody-clone-at29e4-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48157>