

Rabbit DNAL1 Polyclonal Antibody | anti-DNAL1 antibody

DNAL1 Antibody

CATALOG # AAA39446	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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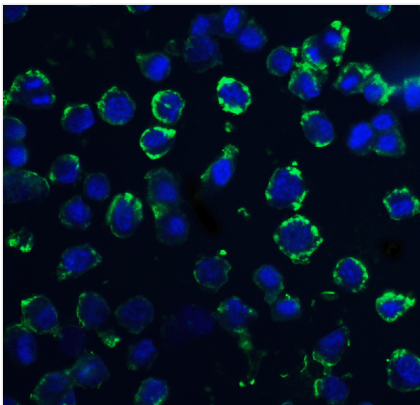
PRODUCT SYNONYMS

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

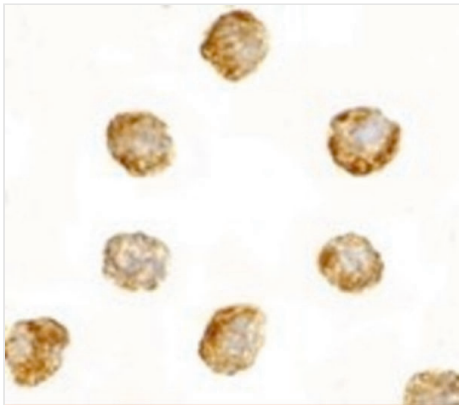
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DNAL1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	190
Applicable Applications for anti-DNAL1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DNAL1 antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human DNAL1.
Buffer	DNAL1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DNAL1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

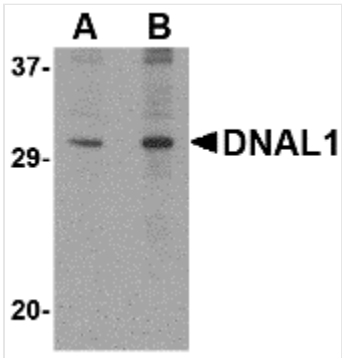
IMAGES



IF (Immunofluorescence)
Immunofluorescence of DNAL1 in 3T3 cells with DNAL1 antibody at 20 µg/mL. Green: DNAL1 Antibody (4733) Blue: DAPI staining



ICC (Immunocytochemistry)
Immunocytochemistry of DNAL1 in 3T3 cells with DNAL1 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of DNAL1 in 3T3 cell lysate with DNAL1 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAL1 antibody

DNAL1 Antibody: DNAL1 was identified as a potential candidate gene for primary ciliary dyskinesia (PCD), a genetically heterogeneous disorder characterized by chronic infections of the upper and lower airways that often leads to permanent lung damage, randomization of left/right body symmetry, and reduced fertility. DNAL1 is reported to be expressed solely in tissues carrying motile cilia for flagella and interacts with DNAH5, a protein that when mutated has been shown to result in PCD. It has been suggested that DNAL1 serves a regulatory function for DNAH5 activity in outer dynein arms of sperm flagella, respiratory cilia, and ependymal cilia. DNAL1 has also been recently identified as an HIV dependency factor (HDF), suggesting that DNAL1 may be an important drug target in HIV treatment. At least two isoforms of DNAL1 are known to exist.

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	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	C14orf168
UniProt Entry Name	DNAL1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnal1-antibody-immunocytochemistry-western-blot-elisa/39446>