

Datasheet for ABIN499752  
**anti-DNAL1 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.1 mg
Target:	DNAL1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	DNAL1 antibody was raised against a 17 amino acid peptide from near the carboxy terminus of human DNAL1.
Isotype:	IgG
Specificity:	This antibody reacts top DNAL1.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	DNAL1
Alternative Name:	DNAL1 ( <a href="#">DNAL1 Products</a> )
Background:	DNAL1 was identified as a potential candidate gene for primary ciliary dyskinesia (PCD), a

## Target Details

genetically heterologous 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. Synonyms: C14orf168, Dynein light chain 1 axonemal

Gene ID: 83544

NCBI Accession: [NP\\_113615](#)

UniProt: [Q4LDG9](#)

## Application Details

Application Notes: ELISA. Western Blot: 1 - 2 µg/mL. Immunocytochemistry.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

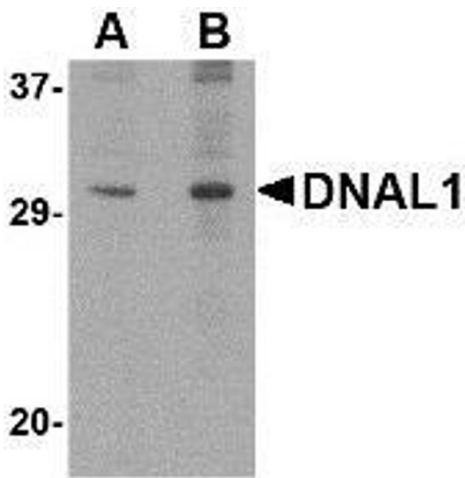
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



**Immunofluorescence**

**Image 1.** Immunocytochemistry of DNAL1 in 3T3 cells with AP30294PU-N DNAL1 antibody at 2.5 µg/ml.



**Western Blotting**

**Image 2.** Western blot analysis of DNAL1 in 3T3 cell lysate with AP30294PU-N DNAL1 antibody at (A) 1 and (B) 2 µg/ml.