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Datasheet for ABIN6990951 **anti-DNAL1 antibody (C-Term)**

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), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	DNAL1 antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human DNAL1. The immunogen is located within the last 50 amino acids of DNAL1.
Isotype:	IgG
Purification:	DNAL1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DNAL1
Alternative Name:	DNAL1 (DNAL1 Products)
Background:	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

Target Details

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.

Gene ID: 83544

NCBI Accession: [NP_113615](#)

UniProt: [Q4LDG9](#)

Application Details

Application Notes: DNAL1 antibody can be used for detection of DNAL1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: DNAL1 Antibody is supplied in 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: -20 °C, 4 °C

Storage Comment: DNAL1 antibody can be stored at 4°C for three months and -20°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.