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Datasheet for ABIN5001371

**anti-DNAH9 antibody (AA 3001-3200) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	DNAH9
Binding Specificity:	AA 3001-3200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAH9 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DNAH9
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	DNAH9
Alternative Name:	DNAH9 ( <a href="#">DNAH9 Products</a> )
Background:	Synonyms: Dynein heavy chain, Axonemal beta dynein heavy chain 9, Ciliary dynein heavy chain

## Target Details

9, Ciliary dynein heavy chain, DNAH 9, DNAH17L, DNAH9, DNAH9 variant protein, Dnahc 9, Dnahc9, DNAL 1, DNAL1, DNEL 1, DNEL1, DYH 9, DYH9, Dynein axonemal heavy chain 9, Dynein axonemal heavy polypeptide 17 like, Dynein axonemal heavy polypeptide 9, dynein heavy chain 9, axonemal, HL 20, HL20, KIAA0357, DYH9\_HUMAN.

Background: Dyneins are multisubunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. Cytoplasmic or axonemal Dynein heavy, intermediate, light and light-intermediate chains are all components of minus end-directed motors, the complex transports cellular cargos towards the central region of the cell. Axonemal dynein motors contain one to three non-identical heavy chains and cause a sliding of microtubules in the axonemes of cilia and flagella in a mechanism necessary for cilia to beat and propel the cell. DNAH9 (Dynein, axonemal, heavy chain 9), also known as DYH9, HL20, DNEL1, Dnahc9 or DNAH17L, is a member of the Dynein heavy chain family and comprises one of the heavy chain subunits of axonemal Dynein. DNAH9 consists of an N-terminal stem which is responsible for interacting with other Dynein components and binding cargo, and four P-loops that comprise the motor domain at its C-terminus.

## 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

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