

DYH14 Rabbit pAb

CatalogNo: YN3465

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- IHC,IF

MW

- 386kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:50-200

IF 1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human DYH14 AA range: 1215-1265

Specificity This antibody detects endogenous levels of DYH14 at Human

Target Information

Gene name DNAH14 C1orf67

Protein Name DYH14

Organism

Human

Gene ID

[127602](#);

UniProt ID

[Q0VDD8](#);

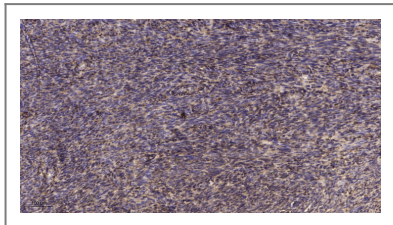
**Cellular
Localization**

Cytoplasm, cytoskeleton, cilium axoneme .

Function

Domain:Dynein heavy chains probably consist of an N-terminal stem (which binds cargo and interacts with other dynein components), and the head or motor domain. The motor contains six tandemly-linked AAA domains in the head, which form a ring. A stalk-like structure (formed by two of the coiled coil domains) protrudes between AAA 4 and AAA 5 and terminates in a microtubule-binding site. A seventh domain may also contribute to this ring; it is not clear whether the N-terminus or the C-terminus forms this extra domain. There are four well-conserved and two non-conserved ATPase sites, one per AAA domain. Probably only one of these (within AAA 1) actually hydrolyzes ATP, the others may serve a regulatory function.,Function:Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. Involved in sperm motility; implicated in sperm flagellar assembly.,similarity:Belongs to the dynein heavy chain family.,subunit:Consists of at least two heavy chains and a number of intermediate and light chains.,

| Validation Data



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

| Contact information

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