abcam

Product datasheet

# Anti-DNAH5 antibody ab122391

**2 References** 画像数 2

## 製品の概要

| | |
|---|---|
| **製品名** | Anti-DNAH5 antibody |
| **製品の詳細** | Rabbit polyclonal to DNAH5 |
| **由来種** | Rabbit |
| **アプリケーション** | **適用あり:** IHC-P |
| **種交差性** | **交差種:** Human<br>**交差が予測される動物種:** Pig |
| **免疫原** | N terminal amino acids 54-142 (EVEDAILEGN QIERIDQLFA VGGLRHLMFY YQDVEEAETG QLGSLGGVNL VSGKIKKPKV FVTEGNDVAL TGVCVFFIRT DPSKAITPD) of the Human DNAH5 protein (Q8TE73).<br>Run BLAST with ExPASy Run BLAST with NCBI |
| **ポジティブ・コントロール** | IHC: Human nasopharynx and Fallopian tube tissue. |
| **特記事項** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

## 製品の特性

| | |
|---|---|
| **製品の状態** | Liquid |
| **保存方法** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **バッファー** | pH: 7.20<br>Preservative: 0.02% Sodium azide<br>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS |
| **精製度** | Immunogen affinity purified |
| **ポリ/モノ** | ポリクローナル |
| **アイソタイプ** | IgG |

## アプリケーション

**The Abpromise guarantee** **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab122391の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| IHC-P | | 1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

## ターゲット情報

**機能**

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. Required for structural and functional integrity of the cilia of ependymal cells lining the brain ventricles.

**関連疾患**

Defects in DNAH5 are the cause of primary ciliary dyskinesia type 3 (CILD3) [MIM:608644]. CILD3 is an autosomal recessive disorder characterized by axonemal abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit situs inversus, due to dysfunction of monocilia at the embryonic node and randomization of left-right body asymmetry. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.
Defects in DNAH5 are a cause of Kartagener syndrome (KTGS) [MIM:244400]. KTGS is an autosomal recessive disorder characterized by the association of primary ciliary dyskinesia with situs inversus. Clinical features include recurrent respiratory infections, bronchiectasis, infertility, and lateral transposition of the viscera of the thorax and abdomen. The situs inversus is most often total, although it can be partial in some cases (isolated dextrocardia or isolated transposition of abdominal viscera).

**配列類似性**

Belongs to the dynein heavy chain family.

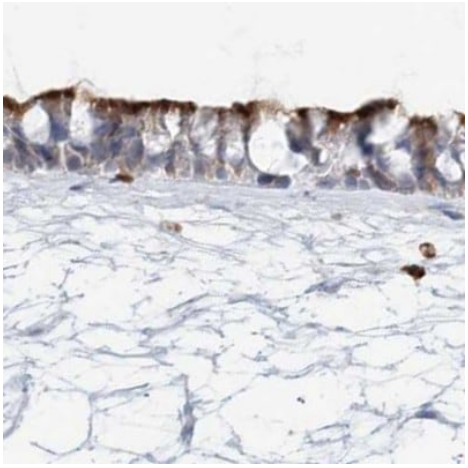
**ドメイン**

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.

**細胞内局在**

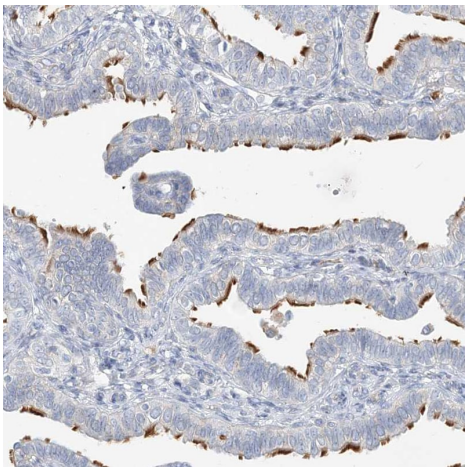
Cytoplasm > cytoskeleton > cilium axoneme.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAH5 antibody (ab122391)

ab122391 at 1/500 staining DNAH5 in parrafin embedded Human nasopharynx tissue using immunohistochemistry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAH5 antibody (ab122391)

ab122391 at 1/500 staining DNAH5 in parrafin embedded Human Fallopian tube tissue using immunohistochemistry.



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