

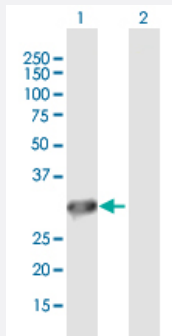
MaxPab®

# DNALI1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007802-B01P

Size 50 ug

## Applications

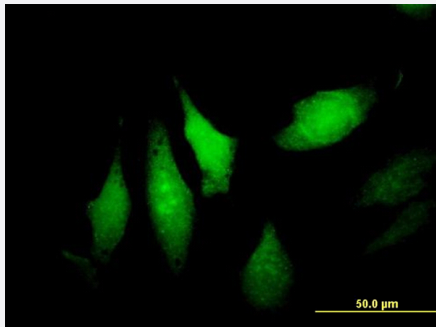


### Western Blot (Transfected lysate)

Western Blot analysis of DNALI1 expression in transfected 293T cell line ([H00007802-T02](#)) by DNALI1 MaxPab polyclonal antibody.

Lane 1: DNALI1 transfected lysate(28.38 KDa).

Lane 2: Non-transfected lysate.



### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DNALI1 on HeLa cell. [antibody concentration 10 ug/ml]

## Specification

|                     |                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse polyclonal antibody raised against a full-length human DNALI1 protein.                                                                                                                                                                                                |
| Immunogen           | DNALI1 (AAH46117.1, 1 a.a. ~ 258 a.a) full-length human protein.                                                                                                                                                                                                            |
| Sequence            | MIPPADSLKDYDTPVLVSRNTEKRSPKARLLKVSPQQPGPSGAPQPPKTKLPSTPCVPDPTKQ<br>AEEILNAILPPREWEDTQLWQQVSSSTPSTRMDVVHLQEQLDLKLQQRQARETGICPVRRELYSQ<br>CFDELIREVTINCAERGLLLLRVRDEIRMTIAAYQTL YESSVAFGMRKALQAEQKSDMERKIAELE<br>TEKRDLERQVNEQKAKCEATEKRESERRQVEEKHNNEIQFLKRTNQQKLAQLEGIIAPKK |
| Host                | Mouse                                                                                                                                                                                                                                                                       |
| Reactivity          | Human                                                                                                                                                                                                                                                                       |

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (96); Rat (97)                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

- Immunofluorescence

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## Gene Info — DNALI1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">7802</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| GeneBank Accession# | <a href="#">BC046117.1</a>                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">AAH46117.1</a>                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name           | DNALI1                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | P28, dJ423B22.5, hp28                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description    | dynein, axonemal, light intermediate chain 1                                                                                                                                                                                                                                                                                                                                                           |
| Omim ID             | <a href="#">602135</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary        | This gene is the human homolog of the Chlamydomonas inner dynein arm gene, p28. The precise function of this gene is not known, however, it is a potential candidate for immotile cilia syndrome (ICS). Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of Chlamydomonas, a biflagellated algae, exhibit similar defects. [provided by RefSeq] |

**Other Designations**

OTTHUMP00000004400|dJ423B22.5 (axonemal dynein light chain (hp28))|dynein, axonemal, light intermediate polypeptide 1|inner dynein arm, homolog of clamydomonas

**Publication Reference**

- [DNALI1 deficiency causes male infertility with severe asthenozoospermia in humans and mice by disrupting the assembly of the flagellar inner dynein arms and fibrous sheath.](#)

Huan Wu, Yiyuan Liu, Yuqian Li, Kuokuo Li, Chuan Xu, Yang Gao, Mingrong Lv, Rui Guo, Yuping Xu, Ping Zhou, Zhaolian Wei, Rong Hua, Xiaojin He, Yunxia Cao.

Cell Death & Disease 2023 Feb; 14(2):127.

Application: IF, WB-Ti, Human, Mouse, Human semen, Mouse semen

- [DNAH17 is associated with asthenozoospermia and multiple morphological abnormalities of sperm flagella.](#)

Sha Y, Wei X, Ding L, Mei L, Huang X, Lin S, Su Z, Kong L, Zhang Y, Ji Z.

Annals of Human Genetics 2019 Dec; [Epub].

Application: IF, Human, Human spermatozoa

- [Functional characterization of tektin-1 in motile cilia and evidence for TEKT1 as a new candidate gene for motile ciliopathies.](#)

Ryan R, Failler M, Reilly ML, Garfa-Traore M, Delous M, Filhol E, Reboul T, Bole-Feysot C, Nitschké P, Baudouin V, Amselem S, Escudier E, Legendre M, Benmerah A, Saunier S.

Human Molecular Genetics 2018 Jan; 27(2):266.

Application: IF, Human, Ciliated cells

**Disease**

- [Tobacco Use Disorder](#)