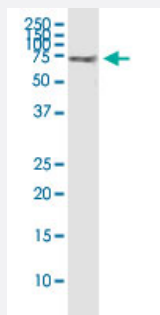


SPAG16 monoclonal antibody (M01), clone 1D2

Catalog # H00079582-M01

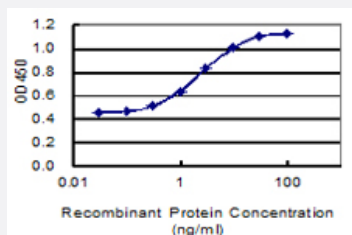
Size 100 ug

Applications



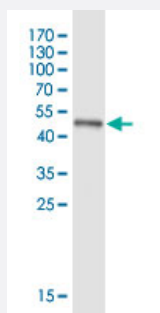
Western Blot (Tissue lysate)

SPAG16 monoclonal antibody (M01), clone 1D2. Western Blot analysis of SPAG16 expression in rat brain.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPAG16 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (47 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SPAG16.

Immunogen	SPAG16 (NP_001020607.1, 1 a.a. ~ 183 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAQRGMPSSAVRVLEEALGMGLTAAGDARDTADAVAAEGAYYLEQVTITEASEDDYEEYEEIPD DNFSIPEGEEDLAKAIQMAQEQTATDEILERKTVLP SKHAVPEVIEDFLCNFLIKMGMTRTLDCFQS EWYELIQKGVTELRTVGNVPDVYTQIMLLENENKNLKKDLKHYKQAAEYVIF
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (68); Rat (35)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

SPAG16 monoclonal antibody (M01), clone 1D2. Western Blot analysis of SPAG16 expression in rat brain.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPAG16 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SPAG16

Entrez GeneID

[79582](#)

GeneBank Accession#	NM_001025436.1
Protein Accession#	NP_001020607.1
Gene Name	SPAG16
Gene Alias	DKFZp666P1710, FLJ22724, FLJ37717, MGC87036, PF20, WDR29
Gene Description	sperm associated antigen 16
Gene Ontology	Hyperlink
Gene Summary	Cilia and flagella are comprised of a microtubular backbone, the axoneme, which is organized by the basal body and surrounded by plasma membrane. SPAG16 encodes 2 major proteins that associate with the axoneme of sperm tail and the nucleus of postmeiotic germ cells, respectively (Zhang et al., 2007 [PubMed 17699735]).[supplied by OMIM]
Other Designations	WD repeat domain 29 sperm-associated WD repeat protein

Publication Reference

- [CCDC146 is required for sperm flagellum biogenesis and male fertility in mice.](#)

Yanjie Ma, Bingbing Wu, Yinghong Chen, Shuang Ma, Liying Wang, Tingting Han, Xiaolei Lin, Fulin Yang, Chao Liu, Jianguo Zhao, Wei Li.

Cellular and Molecular Life Sciences : CMLS 2023 Dec; 81(1):1.

Application: WB, Mouse, NIH3T3 cells

- [CCDC176 stabilizes microtubule doublets 1 and 9 to ensure proper sperm movement.](#)

Chao Liu, Qianchun Wang, Lusheng Gu, Xiuge Wang, Yingying Yin, Tao Huang, Sai Xiao, Shuwen Zhang, Fuqiang Wang, Tao Zhou, Guangqiong Xu, Liying Wang, Fucheng Dong, Jing Jiang, Mengcheng Luo, Jinsong Li, Haobo Zhang, Zi-Jiang Chen, Wei Ji, Baohua Ji, Hongbin Liu, Wei Li.

Current Biology : CB 2023 Jul; 33(16):3371.

Application: IF, WB-Ti, Mouse, Mouse spermatozoa

Disease

- [Genetic Predisposition to Disease](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)