

# Product Datasheet

## FGFR1OP Antibody (2B1) - Azide and BSA Free H00011116-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00011116-M01**

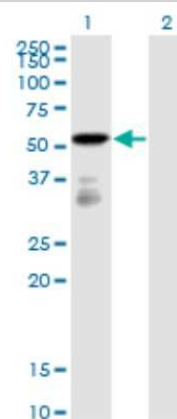
FGFR1OP Antibody (2B1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B1
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	PBS (pH 7.4)
Product Description	
Host	Mouse
Gene ID	11116
Gene Symbol	CEP43
Species	Human, Mouse, Rabbit
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28625565). Other species not tested. Rabbit reactivity reported from a verified customer review.
Specificity/Sensitivity	FGFR1OP - FGFR1 oncogene partner
Immunogen	FGFR1OP (AAH11902, 1 a.a ~ 379 a.a) full length recombinant protein with GST tag.MAATAAAVVAEEDTELRLDQVLENSGVNRIKAEELRAAVFLALEEQEKVE NKTPLVNESLRKFLNTKDGRVLVASLVAEFLQFFNLDFTLAVFQPETSTLQGLEG RENLRDLGIIEAGTVGGPLLLEVIRRCQQKEKGPTTGEGALDLSDVHSPPKS PEGKTSAQTTSPSKKANDEANQSDTSVSLSEPKSKSSLHLLSHETKIGSFLSNRT LDGKDKAGLCPDEDDMEGDSFFDDPIPKPEKTYGLRNEPRK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500, ELISA 1:100 - 1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Frozen
Application Notes	Antibody reactive against recombinant protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. It is also useful for immunofluorescence. This FGFR1OP Antibody (2B1) is validated for IHC-Fr from a verified customer review.

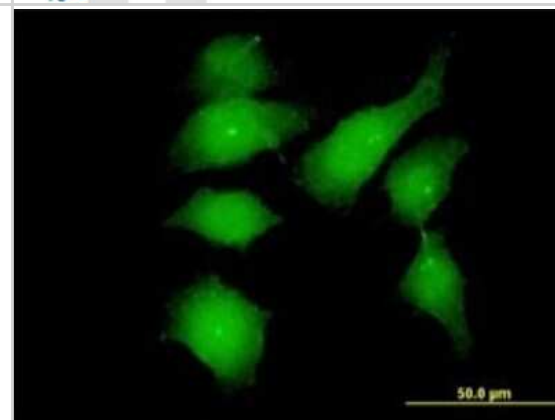


## Images

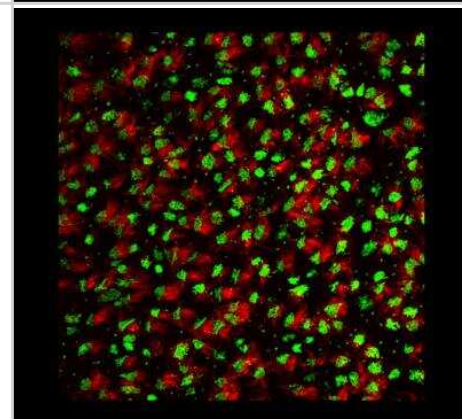
Western Blot: FGFR1OP Antibody (2B1) [H00011116-M01] - Analysis of FGFR1OP expression in transfected 293T cell line by FGFR1OP monoclonal antibody (M01), clone 2B1. Lane 1: FGFR1OP transfected lysate(43.1 KDa). Lane 2: Non-transfected lysate.



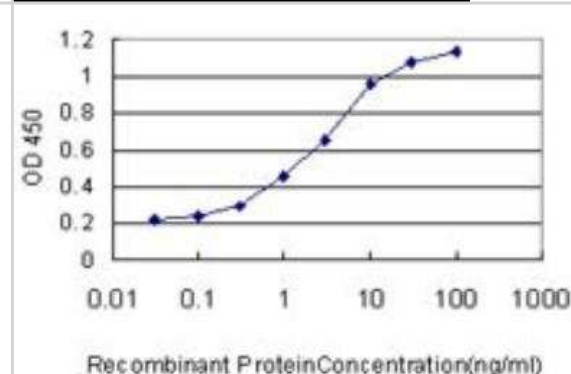
Immunocytochemistry/Immunofluorescence: FGFR1OP Antibody (2B1) [H00011116-M01] - Analysis of monoclonal antibody to FGFR1OP on HeLa cell. Antibody concentration 10 ug/mL.



Immunohistochemistry-Frozen: FGFR1OP Antibody (2B1) [H00011116-M01] - Rabbit frozen 4% paraformaldehyde fixed brain sections. Double labeling with FGFR1OP (Basal bodies in green) and GT335 (cilia in red) antibodies of ependymal whole mount from brain of rabbit kit. IHC-Fr image submitted by a verified customer review.



ELISA: FGFR1OP Antibody (2B1) [H00011116-M01] - Detection limit for recombinant GST tagged FGFR1OP is approximately 0.03 ng/mL as a capture antibody.



## Publications

Basso M, Mahuzier A, Ali SK, Marty A et al. Actin-based deformations of the nucleus control mouse multiciliated ependymal cell differentiation Dev Cell 2024-12-11 [PMID: 39662468]

Mazo G, Soplop N, Wang WJ et al. Spatial Control of Primary Ciliogenesis by Subdistal Appendages Alters Sensation-Associated Properties of Cilia Developmental Cell 2016-11-01 [PMID: 27818179]

Wu CT, Hilgendorf KI, Bevacqua RJ et al. Discovery of ciliary G protein-coupled receptors regulating pancreatic islet insulin and glucagon secretion Genes & Development 2021-09-01 [PMID: 34385262] (Block/Neutralize, Immunocytochemistry/ Immunofluorescence)

Gonçalves AB, Hasselbalch SK, Joensen BB et al. CEP78 functions downstream of CEP350 to control biogenesis of primary cilia by negatively regulating CP110 levels eLife 2021-07-14 [PMID: 34259627]

Adelaida P, Keren H, Ann Y et al. Primary cilia on muscle stem cells are critical to maintain regenerative capacity and are lost during aging. Nat Commun. 2022-03-17 [PMID: 35301320]

Racha C, Adham S, Xavier P et al. A Dual Protein-mRNA Localization Screen Reveals Compartmentalized Translation and Widespread Co-translational RNA Targeting. Dev Cell. 2020-08-04 [PMID: 32783880]

Sayaka F, Hantian Q, Shohei N et al. ARL3 and ARL13B GTPases participate in distinct steps of INPP5E targeting to the ciliary membrane. Biol Open. 2021-09-28 [PMID: 34447983]

Lena B, Anca M, Camille B et al. LRP2 contributes to planar cell polarity-dependent coordination of motile cilia function. Cell Tissue Res. 2023-02-11 [PMID: 36764939]

Martina B, Nicolas K, Serena B et al. mTOR and S6K1 Drive Polycystic Kidney by the Control of Afadin-dependent Oriented Cell Division. Nat Commun. 2020-01-24 [PMID: 32581239]

Tomoharu K, Roy N, Keene A et al. Myristoylated Neuronal Calcium Sensor-1 captures the ciliary vesicle at distal appendages. bioRxiv. 2023-01-10 [PMID: 36712037]

Tomoharu K, Julia L, Saxton F et al. A hierarchical pathway for assembly of the distal appendages that organize primary cilia. bioRxiv. 2023-01-10 [PMID: 36711481]

Takuya K, Yamato I, Tomoaki H et al. Cooperation of the IFT-A complex with the IFT-B complex is required for ciliary retrograde protein trafficking and GPCR import. Mol Biol Cell. 2020-11-11 [PMID: 33175651]

More publications at <http://www.novusbio.com/H00011116-M01>





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### **Products Related to H00011116-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-98963-50ug	Recombinant Human FGFR1OP His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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