

Product Datasheet

RAB8A Antibody (3G1) - Azide and BSA Free H00004218-M02

Unit Size: 0.1 mg

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

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H00004218-M02

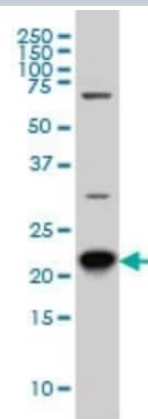
RAB8A Antibody (3G1) - Azide and BSA Free

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	3G1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4218
Gene Symbol	RAB8A
Species	Human, Mouse, Zebrafish
Reactivity Notes	Zebrafish reactivity reported in scientific literature (PMID: 29281629).
Specificity/Sensitivity	RAB8A - RAB8A, member RAS oncogene family
Immunogen	RAB8A (AAH02977, 108 a.a. ~ 207 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. EHASADVEKMILGNKCDVNDKRQVSKERGEKLALDYGIKFMETSAKANINVEN AFFTLARDIKAKMDKKLEGNSPQGSNQGVKITPDQQKRSSFFRCVLL
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
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Use in Immunohistochemistry reported in scientific literature (PMID:34244442).

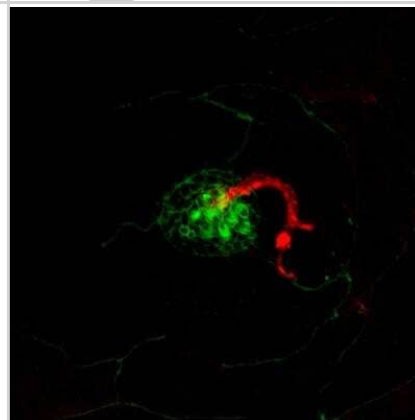


Images

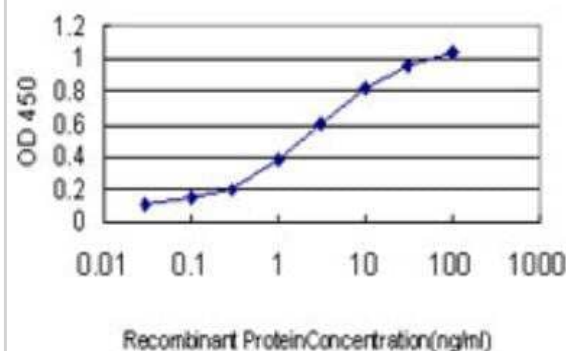
Western Blot: RAB8A Antibody (3G1) [H00004218-M02] - RAB8A monoclonal antibody (M02), clone 3G1 Analysis of RAB8A expression in Hela S3 NE.



Immunocytochemistry/Immunofluorescence: RAB8A Antibody (3G1) [H00004218-M02] - Neuromast hair cells of zebrafish embryos stained with RAB8A antibody. Donkey anti-mouse Alexa Fluor 594 secondary antibody was used. Image from verified customer.



ELISA: RAB8A Antibody (3G1) [H00004218-M02] - Detection limit for recombinant GST tagged RAB8A is approximately 0.1ng/ml as a capture antibody.



Publications

Leventea E, Zhu Z, Fang X Et Al. Ciliopathy genes are required for apical secretion of Cochlin, an otolith crystallization factor Proceedings of the National Academy of Sciences of the United States of America 2021-07-13 [PMID: 34244442] (IF/IHC)

Gonzalez-Hunt CP, Thacker EA, Toste CM et al. Mitochondrial DNA damage as a potential biomarker of LRRK2 kinase activity in LRRK2 Parkinson's disease Sci Rep 2020-10-14 [PMID: 33057100]

Goodman L, Zallocchi M Integrin alpha 8 and Pcdh15 act as a complex to regulate cilia biogenesis in sensory cells J Cell Sci. 2017-10-31 [PMID: 28883094] (ICC/IF, Zebrafish)

Nichols E, Smith C, Synaptic-like Vesicles Facilitate Pioneer Axon Invasion Current Biology 2019-08-01 [PMID: 31378609] (Zebrafish)

Barny I, Perrault I, Michel C et al. Basal exon skipping and nonsense-associated altered splicing allows bypassing complete CEP290 loss-of-function in individuals with unusually mild retinal disease. Hum Mol Genet 2018-05-16 [PMID: 29771326]

Ojeda Naharros I, Gesemann M, Mateos JM et al. Loss-of-function of the ciliopathy protein Cc2d2a disorganizes the vesicle fusion machinery at the periciliary membrane and indirectly affects Rab8-trafficking in zebrafish photoreceptors PLoS Genet. 2017-12-01 [PMID: 29281629] (ICC/IF, Zebrafish)

Stone R, Hayashi T, Bajimaya S et al. Critical role of Rab11a-mediated recycling endosomes in the assembly of type I parainfluenza viruses. Virology. 2015-10-17 [PMID: 26484934]

Hampson A, O'Connor A, Smolenski A. Synaptotagmin-like protein 4 and Rab8 interact and increase dense granule release in platelets. J Thromb Haemost. 2013-01-01 [PMID: 23140275] (Human)

Hsiao Y-C, Tong ZJ, Westfall JE et al. Ahi1, whose human ortholog is mutated in Joubert syndrome, is required for Rab8a localization, ciliogenesis and vesicle trafficking. Hum Mol Genet;18(20):3926-3941. 2009-01-01 [PMID: 19625297]





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Products Related to H00004218-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004218-Q01-10ug	Recombinant Human RAB8A GST (N-Term) Protein

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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