

Product Datasheet

non-muscle Myosin IIA Antibody (4H3) - Azide and BSA Free H00004627-M06

Unit Size: 0.1 mg

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

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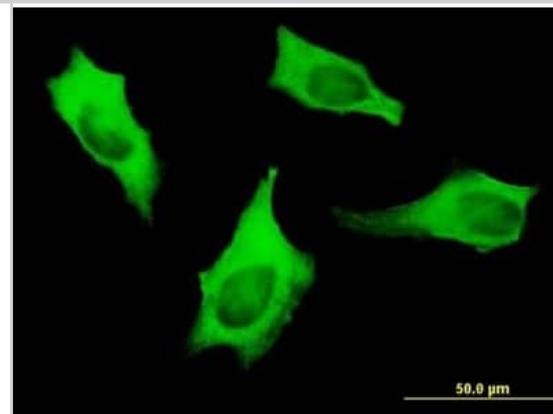
H00004627-M06

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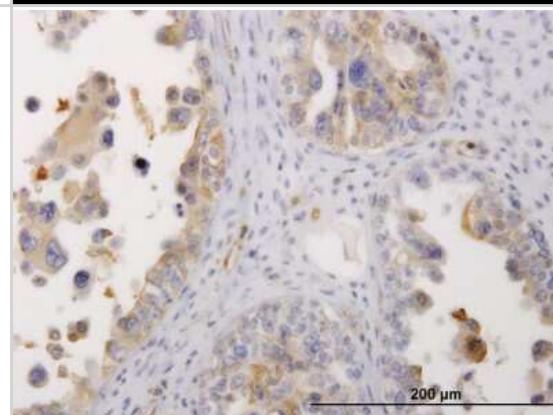
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4H3
Preservative	No Preservative
Isotype	IgG2b 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	4627
Gene Symbol	MYH9
Species	Human
Specificity/Sensitivity	myosin, heavy polypeptide 9, non-muscle
Immunogen	MYH9 (NP_002464.1, 1871 a.a. ~ 1960 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RLKQLKRQLEEAEEEEAQRANASRRKLQRELEDATETADAMNREVSSLKNKLR RGDLFPVPRRMARKGAGDGSDEEVDGKADGAEAKPAE
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-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against recombinant protein for WB. It has been used for IHC-P and ELISA.

Images

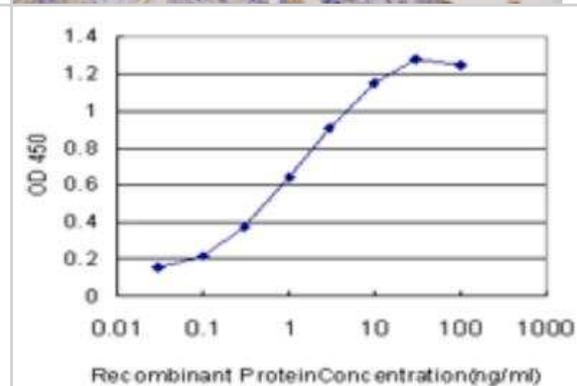
Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody (4H3) [H00004627-M06] - Analysis of monoclonal antibody to MYH9 on HeLa cell. Antibody concentration 10 ug/ml



Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody (4H3) [H00004627-M06] - Analysis of monoclonal antibody to MYH9 on formalin-fixed paraffin-embedded human ovarian cancer. Antibody concentration 0.7 ug/ml



ELISA: non-muscle Myosin IIA Antibody (4H3) [H00004627-M06] - Detection limit for recombinant GST tagged MYH9 is approximately 0.03ng/ml as a capture antibody.



Publications

Barai A, Mukherjee A, Das A, et al. alpha-actinin-4 drives invasiveness by regulating myosin IIB expression and myosin IIA localization J Cell Sci 2021-11-03 [PMID: 34730180]

Betapudi V, Gokulrangan G, Chance MR, Egelhoff TT. A proteomic study of myosin II motor proteins during tumor cell migration. J Mol Biol. 2011-02-10 [PMID: 21316371]

Chiu HC, Chang TY, Huang CT et al. EGFR and myosin II inhibitors cooperate to suppress EGFR-T790M-mutant NSCLC cells. Mol Oncol. 2012-02-10 [PMID: 22366308]



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Products Related to H00004627-M06

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)
H00004627-Q02-10ug	Recombinant Human non-muscle Myosin IIA 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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