

Datasheet

MYH9 monoclonal antibody (M06), clone 4H3

Catalog Number: H00004627-M06

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant MYH9.

Clone Name: 4H3

Immunogen: MYH9 (AAH11915, 131 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

RLKQLKRQLEEAEEEEAQRANASRRKLQRELEDTETA
DAMNREVSSLKNLRRGDLFPVPRRMARKGAGDGS
DEEVDGKADGAEAKPAE

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, S-ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4627

Gene Symbol: MYH9

Gene Alias: DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-II-A, NMMHCA

Gene Summary: This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain. The protein is involved in several important

functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness. [provided by RefSeq]

References:

1. EGFR and myosin II inhibitors cooperate to suppress EGFR-T790M-mutant NSCLC cells. Chiu HC, Chang TY, Huang CT, Chao YS, Hsu JT. Mol Oncol. 2012 Feb 10. [Epub ahead of print]
2. A proteomic study of myosin II motor proteins during tumor cell migration. Betapudi V, Gokulrangan G, Chance MR, Egelhoff TT. J Mol Biol. 2011 Feb 10. [Epub ahead of print]