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EYA2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant EYA2.
Catalog # AT1972a

Product Information

Application	WB, IF
Primary Accession	O00167
Other Accession	NM_172110
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F8
Calculated MW	59232

Additional Information

Gene ID	2139
Other Names	Eyes absent homolog 2, EYA2, EAB1
Target/Specificity	EYA2 (NP_742108, 164 a.a. ~ 271 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	EYA2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

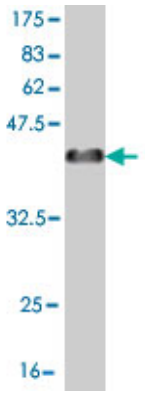
This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may be post-translationally modified and may play a role in eye development. A similar protein in mice can act as a transcriptional activator. Alternative splicing results in multiple transcript variants, but the full-length natures of all of these variants have not yet been determined.

References

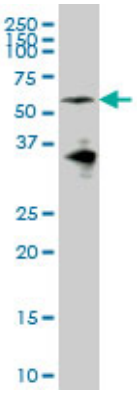
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Personalized smoking cessation: interactions between nicotine dose,

dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Crystal structure of ED-Eya2: insight into dual roles as a protein tyrosine phosphatase and a transcription factor. Jung SK, et al. FASEB J, 2010 Feb. PMID 19858093.

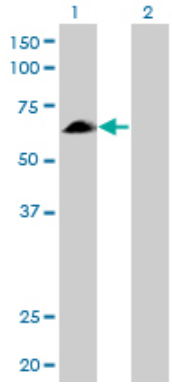
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.99 KDa) .

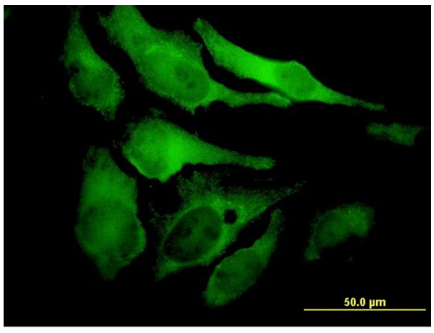


EYA2 monoclonal antibody (M04), clone 2F8 Western Blot analysis of EYA2 expression in IMR-32 ((Cat # AT1972a)



Western Blot analysis of EYA2 expression in transfected 293T cell line by EYA2 monoclonal antibody (M04), clone 2F8.

Lane 1: EYA2 transfected lysate(59.2 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to EYA2 on HeLa cell. [antibody concentration 10 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.