

EYA2 Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a partial recombinant EYA2.****Catalog # AT1972a****Specification**

EYA2 Antibody (monoclonal) (M04) - Product Information

Application	WB, IF
Primary Accession	O00167
Other Accession	NM_172110
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	59232

EYA2 Antibody (monoclonal) (M04) - 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.

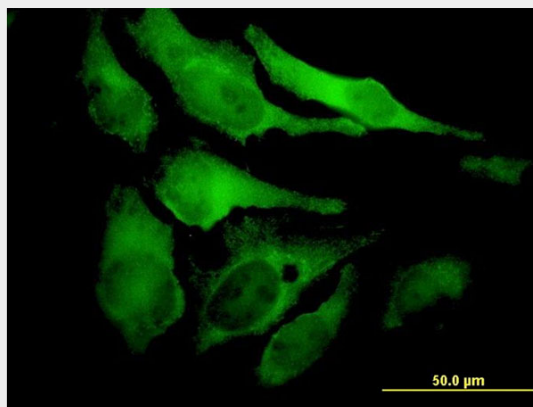
EYA2 Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

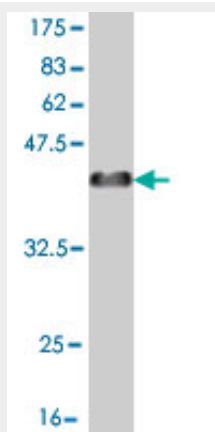
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

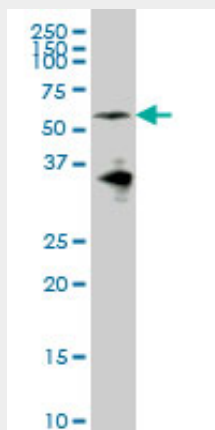
EYA2 Antibody (monoclonal) (M04) - Images



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

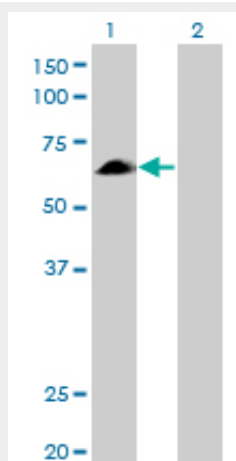


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.99 KDa) .



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.

EYA2 Antibody (monoclonal) (M04) - 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 nature of all of these variants have not yet been determined.

EYA2 Antibody (monoclonal) (M04) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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.