EYA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EYA2, Polyclonal Antibody
Full Product Name	EYA2 (Eyes Absent Homolog 2, EAB1) (MaxLight 490)
Product Gene Name	anti-EYA2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human EYA2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	50,533 Da
OMIM	601654
3D Structure	ModBase 3D Structure for O00167
Immunogen	Full length human EYA2, aa1-538 (NP_005235.3).
Immunogen Sequence	MVELVISPSLTVNSDCLDKLKFNRADAAVWTLSDRQGITKSAPLRVSQLFSRSCPRVLPRQPSTAMAAYGQTQYSAGIQQATPYTAYPPPAQAYGIPSYS
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-EYA2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-EYA2 antibody	Western Blot (WB)
Application Notes for anti-EYA2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-EYA2 antibody	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 ro

Other Notes	Small volumes of anti-EYA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for EYA2 purchase	MBS6377806 is an antibody targeting EYA2. Also known as EYA2 (Eyes Absent Homolog 2, EAB1) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EYA2. It may not necessarily be applicable to this product.

NCBI GI #	26667227
NCBI GeneID	2139
NCBI Accession #	NP_005235.3
UniProt Primary Accession #	O00167
UniProt Secondary Accession #	Q5JSW8; Q86U84; Q96CV6; Q96H97; Q99503; Q99812; Q9BWF6; Q9H4S3; Q9H4S9; Q9NPZ4; Q9UIX7
UniProt Related Accession #	O00167
GenBank Nucleotide #	NM_005244.3
NCBI Official Full Name	eyes absent homolog 2 isoform a
NCBI Official Synonym Full Names	EYA transcriptional coactivator and phosphatase 2
NCBI Official Symbol	EYA2
NCBI Official Synonym Symbols	EAB1
UniProt Protein Name	Eyes absent homolog 2
Protein Family	Eyes absent
UniProt Gene Name	EYA2
UniProt Synonym Gene Names	EAB1
UniProt Entry Name	EYA2_HUMAN
NCBI Protein Information	eyes absent homolog 2
UniProt Comments for EYA2	EYA2: Tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1. Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. Coactivates SIX1. Seems to coactivate SIX2, SIX4 and SIX5. Together with SIX1 and DACH2 seem to be involved in myogenesis. May be involved in development of the eye. Interaction with GNAZ and GNAI2 prevents nuclear translocation and transcriptional activity. Belongs to the HAD-like hydrolase superfamily. EYA family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.1.3.48; Cell development/differentiation; Protein phosphatase, tyrosine (non-receptor); Apoptosis Chromosomal Location of Human Ortholog: 20q13.1 Cellular Component: centrosome; mitochondrion; cytoplasm; nucleus Molecular Function: protein binding; magnesium ion binding; protein tyrosine phosphatase activity Biological Process: histone dephosphorylation; striated muscle development; regulation of transcription, DNA-dependent; transcription, DNA-dependent; mesodermal cell fate specification; DNA repair
Research Articles on EYA2	**1.** Decreased expression of EYA2 is associated with pancreatic adenocarcinomas.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/eya2/6377806