10320 Camino Santa Fe, Suite G
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EYA4 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9330b

Specification

EYA4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	O95677

EYA4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2070

Other Names
Eyes absent homolog 4, EYA4

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EYA4 Antibody (C-term) Blocking Peptide - Protein Information

Name EYA4

Function
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. May be involved in development of the eye (By similarity).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q99502}. Nucleus {ECO:0000250|UniProtKB:Q99502}

Tissue Location
Highly expressed in heart and skeletal muscle.

EYA4 Antibody (C-term) Blocking Peptide - Protocols

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

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- Blocking Peptides

EYA4 Antibody (C-term) Blocking Peptide - Images

EYA4 Antibody (C-term) Blocking Peptide - Background

EYA4 encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may act as a transcriptional activator through its protein phosphatase activity, and it may be important for eye development, and for continued function of the mature organ of Corti.

EYA4 Antibody (C-term) Blocking Peptide - References

Miller,S.J. Oncogene 29 (3), 368-379 (2010)Li,H. J. Exp. Clin. Cancer Res. 28, 145 (2009)Melzer,D. PLoS Genet. 4 (5), E1000072 (2008)