

EYA4 Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13314**Specification**

EYA4 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	O95677
Reactivity	Human, Rabbit, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	70kDa KDa

EYA4 Antibody (N-Terminus) - Additional Information

Gene ID 2070

Other Names

Eyes absent homolog 4, 3.1.3.48, EYA4

Target/Specificity

Human EYA4. This antibody is expected to recognise isoforms a, c and d (NP_004091.3, NP_742102.1 and NP_742103.1 respectively).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

EYA4 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

EYA4 Antibody (N-Terminus) - 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

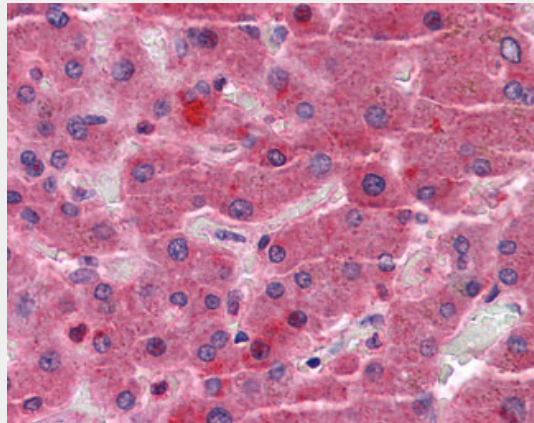
Highly expressed in heart and skeletal muscle.

EYA4 Antibody (N-Terminus) - 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](#)

EYA4 Antibody (N-Terminus) - Images



Anti-EYA4 antibody IHC of human liver.

EYA4 Antibody (N-Terminus) - Background

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EYA4 Antibody (N-Terminus) - References

- Borsani G., et al. Hum. Mol. Genet. 8:11-23(1999).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mungall A.J., et al. Nature 425:805-811(2003).
Wayne S., et al. Hum. Mol. Genet. 10:195-200(2001).
Schoenberger J., et al. Nat. Genet. 37:418-422(2005).