

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

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**EYA4 Antibody (N-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O95677</a>
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**

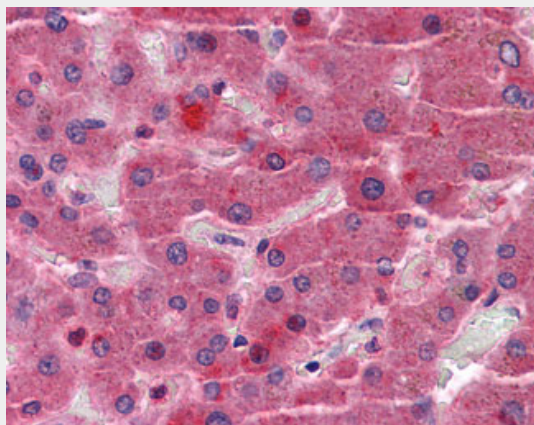
Highly expressed in heart and skeletal muscle.

## 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).