

EYA4 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2468a**Specification**

EYA4 Antibody (N-Term) - Product Information

Application	IHC
Primary Accession	O95677
Other Accession	NP_004091.3 , NP_742102.2 , NP_742103.1 , 2070 , 14051 (mouse)
Predicted	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	69505

EYA4 Antibody (N-Term) - Additional Information**Gene ID** 2070**Other Names**

Eyes absent homolog 4, 3.1.3.48, EYA4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

EYA4 Antibody (N-Term) - 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}

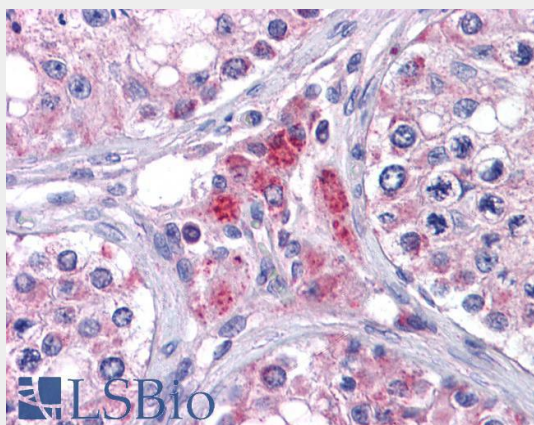
Tissue Location

Highly expressed in heart and skeletal muscle.

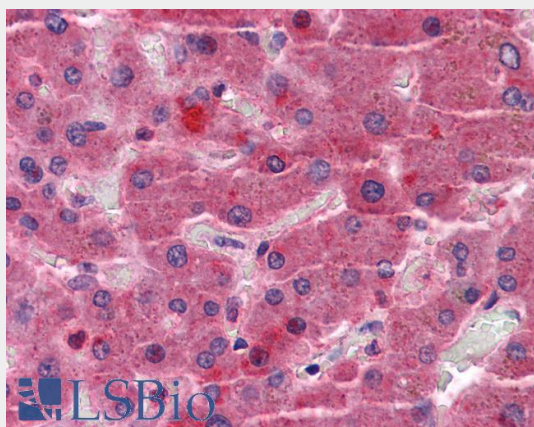
EYA4 Antibody (N-Term) - Protocols

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-Term) - Images

AF2468a (3.75 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF2468a (3.75 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EYA4 Antibody (N-Term) - Background

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

EYA4 Antibody (N-Term) - References

Mutation in the transcriptional coactivator EYA4 causes dilated cardiomyopathy and sensorineural hearing loss. Schonberger J, Wang L, Shin JT, Kim SD, Depreux FF, Zhu H, Zon L, Pizard A, Kim JB, Macrae CA, Mungall AJ, Seidman JG, Seidman CE. Nat Genet. 2005 Feb 27; [Epub ahead of print] PMID: 15735644