

**Product Name: EYA1/4 Rabbit Polyclonal Antibody**  
**Catalog #: APRab00509**



## Summary

<b>Production Name</b>	EYA1/4 Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC-P,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	EYA1/4
<b>Alternative Names</b>	Eyes absent homolog 1; Eyes absent homolog 4
<b>Gene ID</b>	2138/2070
<b>SwissProt ID</b>	Q99502/O95677

## Application

<b>Dilution Ratio</b>	IHC: 1/50-1/100 ELISA: 1/10000
<b>Molecular Weight</b>	-

## Background

Functions both as protein phosphatase and as transcriptional coactivator for SIX1, and probably also for SIX2, SIX4 and

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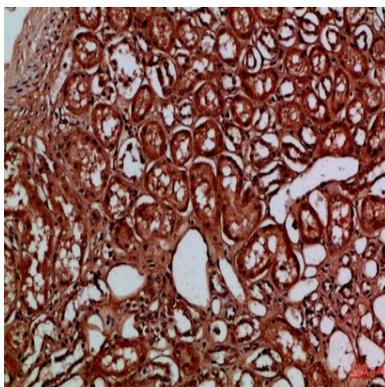


SIX5 (By similarity). Tyrosine phosphatase that dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph) and promotes efficient DNA repair via the recruitment of DNA repair complexes containing MDC1. 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress.

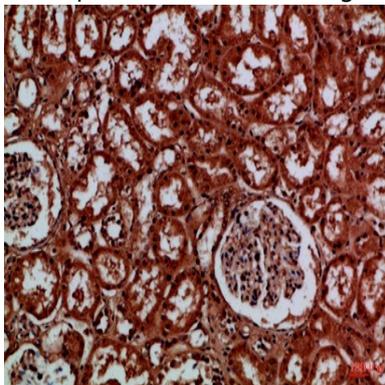
## Research Area

Epigenetics and Nuclear Signaling

## Image Data

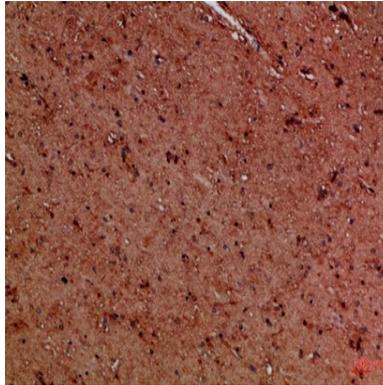


Immunohistochemistry analysis of paraffin-embedded Human kidney using EYA1/4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

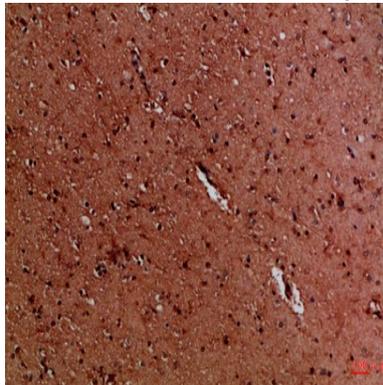


Immunohistochemical analysis of paraffin-embedded Human tonsils using EYA1/4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Immunohistochemistry analysis of paraffin-embedded Human brain using EYA1/4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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## **Note**

For research use only.