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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	-

Antigen Information

Gene Name	EYA1/4
Alternative Names	Eyes absent homolog 1; Eyes absent homolog 4
Gene ID	2138/2070
SwissProt ID	Q99502/O95677
Immunogen	Synthetic peptide from human protein at AA range: 271-320

Background

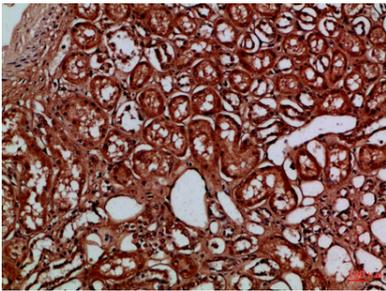
Functions both as protein phosphatase and as transcriptional coactivator for SIX1, and probably also for SIX2, SIX4 and SIX5 (By similarity). Tyrosine phosphatase that dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph) and promotes efficient DNA

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.

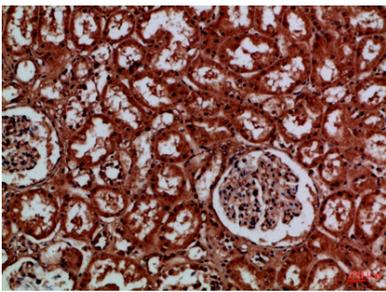
Research Area

Epigenetics and Nuclear Signaling

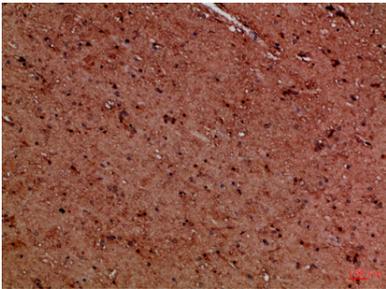
Image Data



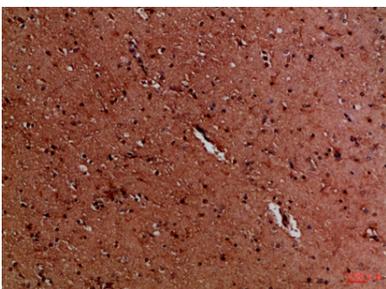
Immunohistochemistry analysis of paraffin-embedded Human kidney using EYA1/4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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.



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.



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.