

EYA1 antibody

Product Information

Catalog No.:	FNab02913
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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(PubMed:19234442). Its function as histone phosphatase may contribute to its function in transcription regulation during organogenesis(By similarity). Has also phosphatase activity with proteins phosphorylated on Ser and Thr residues(in vitro)(By similarity). Required for normal embryonic development of the craniofacial and trunk skeleton, kidneys and ears(By similarity). Together with SIX1, it plays an important role in hypaxial muscle development; in this it is functionally redundant with EYA2(By similarity).

Immunogen information

Immunogen:	eyes absent homolog 1(Drosophila)
Synonyms:	Eyes absent homolog 1 EYA1
Observed MW:	60 kDa;50 kDa
Uniprot ID :	Q99502

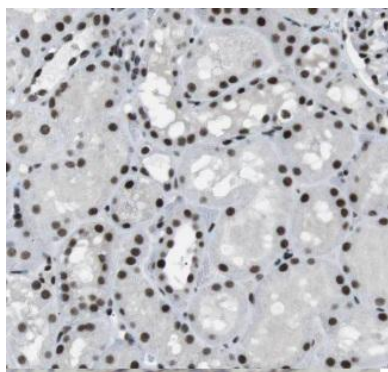
Application

Reactivity:	Human, Mouse
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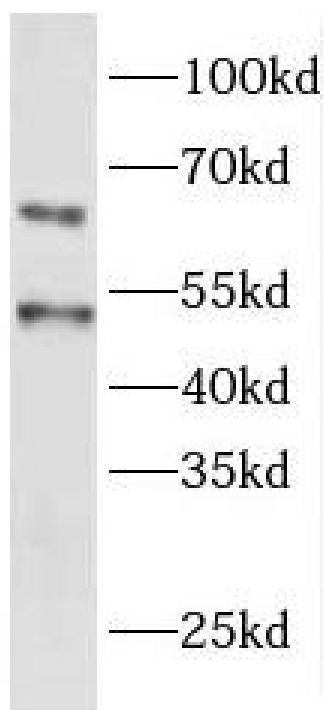
Tested Application: ELISA, IHC, WB, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human kidney using FNab02913(EYA1 antibody) at dilution of 1:50



mouse kidney tissue were subjected to SDS PAGE followed by western blot with FNab02913(EYA1 Antibody) at dilution of 1:600