

Anti-EYA3 Antibody

CATALOG NO:	A1629-100
ALTERNATIVE NAMES:	Eyes absent homolog 3
AMOUNT:	100 µl
IMMUNOGEN:	Recombinant full length protein of human EYA3
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of EYA3 protein
SPECIES REACTIVITY:	Human, Mouse, Rat
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	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. Coactivates SIX1, and seems to coactivate SIX2, SIX4 and SIX5. The repression of precursor cell proliferation in myoblasts by SIX1 is switched to activation through recruitment of EYA3 to the SIX1-DACH1 complex and seems to be dependent on EYA3 phosphatase activity. May be involved in development of the eye.
APPLICATION:	WB; 1:500 – 1:2000 IHC; 1:50 – 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

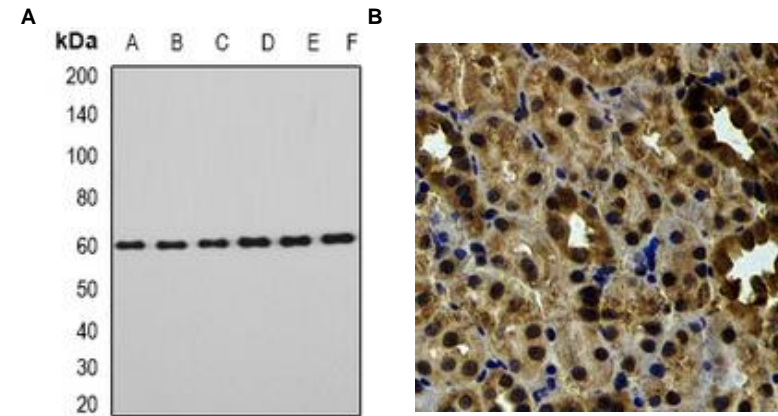


Fig. A, Western blot analysis of EYA3 expression in Hela (A); HT29 (B); mouse eye (C); mouse testis (D); rat brain (E); rat liver (F) whole cell lysates.

Fig. B. IHC analysis of EYA3 staining in rat kidney formalin fixed paraffin embedded tissue section.

RELATED PRODUCTS:

- GFAP Antibody (Cat. No. 3206)
- Vimentin Antibody (Cat. No. 3634)
- Fibronectin Antibody (Cat. No. 3630)
- FGF-2 Antibody (Cat. No. 5039)
- Anti-CD133 Antibody (Cat. No. A1622)
- Anti-CHRD1 Antibody (Cat. No. A1623)

FOR RESEARCH USE ONLY! Not to be used on humans.