

EYA2 MAB**EYA2 Monoclonal Antibody****Cat. #:** 26096**Gene Symbol:** EYA2**Description:** Anti-EYA2 Mouse Monoclonal Antibody

Background: EYA2 may be involved in development of the eye. It 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. EYA2 coactivates SIX1 and seems to coactivate SIX2, SIX4 and SIX5. It seems to be involved in myogenesis together with SIX1 and DACH2.

Immunogen: Human EYA2 protein**Applications:** ELISA, WB, IHC**Recommended Dilutions:**

ELISA: 1:1000–1:5000

WB: 1:100–1:1000

IHC: 1:50–1:100

Concentration: 0.8 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG**Purity:** Purified from ascites**Preservative:** No

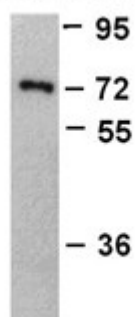
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol Species

Species Reactivity: Anti-EYA2 antibody recognizes EYA2 of vertebrates.

Storage Conditions: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing.

Western blot:

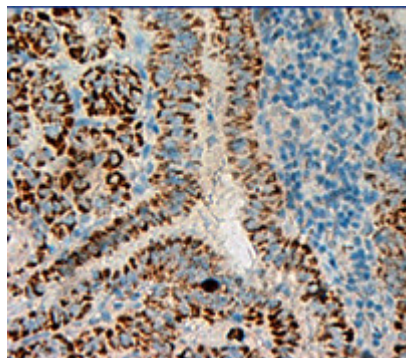
EYA2 protein



WB: Anti-EYA2 mAb

Western blot analysis of recombinant full length EYA2 protein. Purified His-tagged EYA2 protein (Cat. #10195) was blotted with anti EYA2 monoclonal antibody (Cat # 26096).

Immunohistochemistry:



Immunohistochemical analysis of paraffin-embedded thyroid cancer tissue with anti EYA2 monoclonal antibody (Cat. #26096). Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 °C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:50) overnight at 4°C. A HRP-conjugated Goat anti-mouse IgG (dilution 1:50) was used as secondary antibody.