EYA3 Antibody

PACO44635

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IHC:1:20-1:200

Protein Background:

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.

Gene ID:

EYA3

Uniprot

Q99504

Synonyms:

Eyes absent homolog 3 (EC 3.1.3.48), EYA3

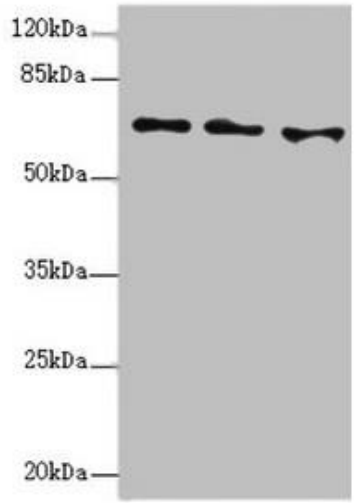
Immunogen:

Recombinant Human Eyes absent homolog 3 protein (1-300AA).

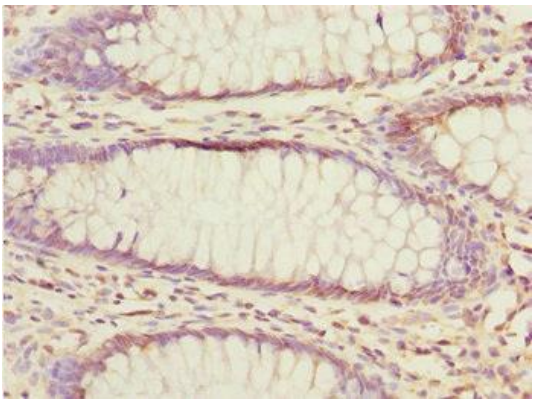
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

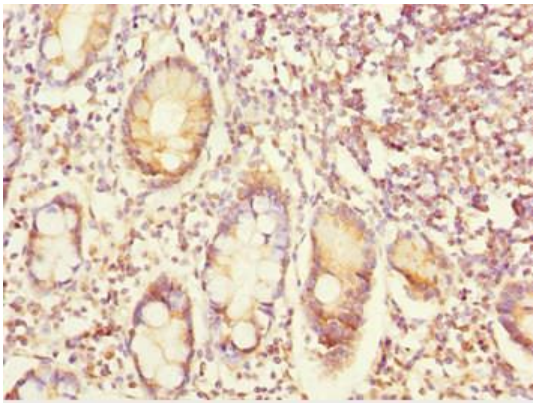
Product Images



Western blot. All lanes: EYA3 antibody at 1.49µg/ml. Lane 1: Hela whole cell lysate. Lane 2: 293T whole cell lysate. Lane 3: HT29 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 63, 49, 59, 57, 58 kDa. Observed band size: 63 kDa.



Immunohistochemistry of paraffin-embedded human colon cancer using PACO44635 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO44635 at dilution of 1:100.

