

Datasheet for ABIN7152363
anti-EYA3 antibody (AA 1-300)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	EYA3
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Eyes absent homolog 3 protein (1-300AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	EYA3
Alternative Name:	EYA3 (EYA3 Products)
Background:	Background: Tyrosine phosphatase that specifically dephosphorylates '\Tyr-142\' of histone H2AX (H2AXY142ph). '\Tyr-142\' phosphorylation of histone H2AX plays a central role in

Target Details

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 (PubMed:19234442, PubMed:19351884). 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 (By similarity). May be involved in development of the eye.

Aliases: AI844637 antibody, DKFZp686C132 antibody, EYA3 antibody, EYA3_HUMAN antibody, Eyes absent 3 antibody, Eyes absent 3 homolog (Drosophila) antibody, Eyes absent homolog 3 antibody, OTTMUSP00000010370 antibody, RP11-460I13.4 antibody, RP23-442A20.1 antibody

UniProt: [Q99504](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

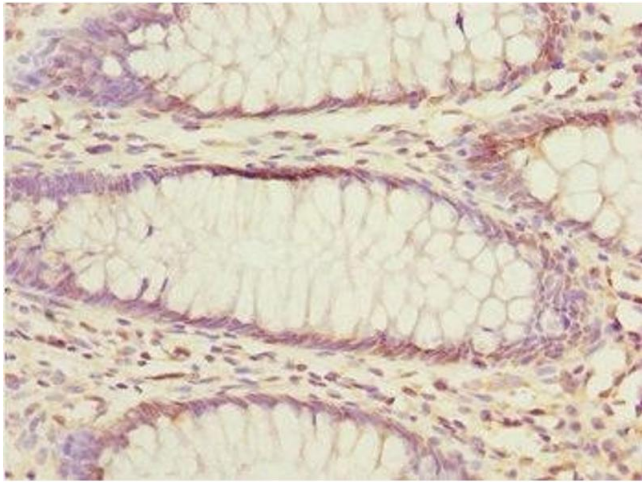
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

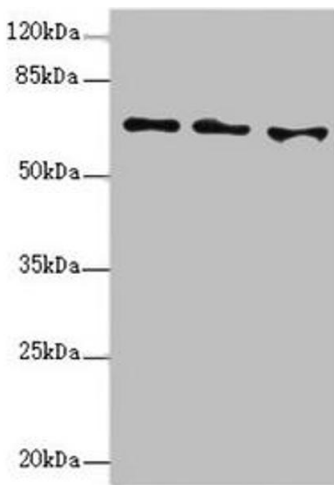
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



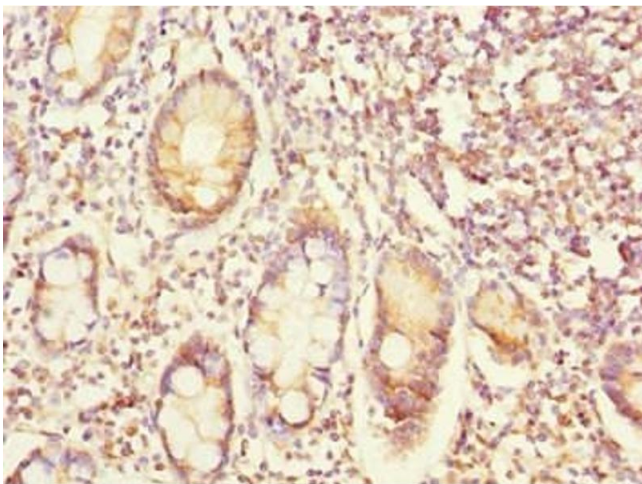
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7152363 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: EYA3 antibody at 1.49 μ g/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

Image 3. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7152363 at dilution of 1:100