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Datasheet for ABIN7152360

anti-EYA2 antibody (AA 1-514) (Biotin)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | EYA2 |
| Binding Specificity: | AA 1-514 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EYA2 antibody is conjugated to Biotin |
| Application: | ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Eyes absent homolog 2 protein (1-514AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|--|
| Target: | EYA2 |
| Alternative Name: | EYA2 (EYA2 Products) |
| Background: | Background: Functions both as protein phosphatase and as transcriptional coactivator for SIX1, and probably also for SIX2, SIX4 and SIX5. Tyrosine phosphatase that dephosphorylates \Tyr- |

Target Details

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. Its function as histone phosphatase may contribute to its function in transcription regulation during organogenesis. Plays an important role in hypaxial muscle development together with SIX1 and DACH2, in this it is functionally redundant with EYA1.

Aliases: EAB 1 antibody, EAB1 antibody, EYA 2 antibody, EYA transcriptional coactivator and phosphatase 2 antibody, EYA2 antibody, EYA2_HUMAN antibody, eyes absent 2 homolog (Drosophila) antibody, Eyes absent homolog 2 (Drosophila) antibody, Eyes absent homolog 2 antibody, Translation of this uORF probably lowers the translation efficiency of EYA2 antibody

UniProt: [O00167](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: 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.