Datasheet for ABIN2809173
anti-EYA1 antibody (AA 231-330) (AbBy Fluor® 488)


## Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | EYA1 |
| Binding Specificity: | AA 231-330 |
| Reactivity: | Human |
| Host: | Polyclonal |
| Clonality: | This EYA1 antibody is conjugated to AbBy Fluor® 488 |
| Conjugate: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded <br> Sections) (IF (p)) |
| Application: |  |

## Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human EYA1 |
| :--- | :--- |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: |  |
| Target Details | EYA1 |
| Target: | EYA1 (EYA1 Products) by Protein A. |
| Alternative Name: | Synonyms: BOP, BOR, BOS1, OFC1, Eyes absent homolog 1, EYA1 |
| Background: |  |

## Target Details

|  | 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- |  |
|  | 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. Has also phosphatase activity with |  |
| proteins phosphorylated on Ser and Thr residues (in vitro). Required for normal embryonic |  |
| development of the craniofacial and trunk skeleton, kidneys and ears. Together with SIX1, it |  |
| plays an important role in hypaxial muscle development, in this it is functionally redundant with |  |

## Application Details

| Application Notes: | IF(IHC-P) 1:50-200 |
| :---: | :---: |
|  | IF(IHC-F) 1:50-200 |
|  | IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $1 \mu \mathrm{~g} / \mu \mathrm{L}$ |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4 ) with $1 \%$ BSA, 0.03 \% Proclin300 and $50 \%$ Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment | Store at $-20^{\circ} \mathrm{C}$. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |

