Datasheet for ABIN1714748
anti-EYA3 antibody (AA 371-470)


Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | EYA3 |
| Binding Specificity: | AA 371-470 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), <br> Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- <br> embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), <br> Application: |
|  | Immunocytochemistry (ICC) |

## Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human EYA3 |
| :--- | :--- |
| Isotype: | IgG |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |
| Target Details |  |
| Target: | EYA3 |
| Alternative Name: | EYA3 (EYA3 Products) |

Background: | Synonyms: Al844637, DKFZp686C132, EYA3, EYA3_HUMAN, Eyes absent 3, Eyes absent 3 |
| :--- |
| homolog Drosophila, Eyes absent homolog 3, OTTMUSP00000010370, RP11-460113.4, RP23- |
| 442A20.1. |
| Background: EYA3 is a 573 amino acid protein that localizes to both the nucleus and the |
| cytoplasm and is one of several mammalian homologs of the Drosophila Eya (eyes absent) |
| protein. Existing as two alternatively spliced isoforms, EYA3 possesses magnesium-catalyzed |
| phosphatase activity and is thought to play a role in transcriptional regulation during |
|  |
| organogenesis. Specifically, EYA3 interacts with proteins such as Six 1 and, via this interaction, |
| functions to activate the expression of genes that are involved in cellular proliferation and organ |
|  |
| development. Upon DNA damage, EYA3 may be phosphorylated by ATM or ATR. The gene |
|  |
| encoding EYA3 maps to chromosome 1, which spans about 260 million base pairs and |
| comprises nearly $8 \%$ of the human genome. |

## Gene ID:

 2140Pathways:
Positive Regulation of Response to DNA Damage Stimulus

## Application Details

| Application Notes: | WB 1:300-5000 |
| :---: | :---: |
|  | ELISA 1:500-1000 |
|  | IHC-P 1:200-400 |
|  | IHC-F 1:100-500 |
|  | IF(IHC-P) 1:50-200 |
|  | IF(IHC-F) 1:50-200 |
|  | IF(ICC) 1:50-200 |
|  | ICC 1:100-500 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $1 \mu \mathrm{~g} / \mu \mathrm{L}$ |
| Buffer: | 0.01M TBS( pH 7.4) with 1 \% BSA, 0.02 \% 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: | $4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Shipped at $4^{\circ} \mathrm{C}$. Store at $-20^{\circ} \mathrm{C}$ for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

