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Datasheet for ABIN1699432

**anti-EYA3 antibody (AA 371-470) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	EYA3
Binding Specificity:	AA 371-470
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA3 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## 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 ( <a href="#">EYA3 Products</a> )
Background:	Synonyms: AI844637, DKFZp686C132, EYA3, EYA3_HUMAN, Eyes absent 3, Eyes absent 3

## Target Details

homolog Drosophila, Eyes absent homolog 3, OTTMUSP00000010370, RP11-460I13.4, 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 Six1 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: 2140

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

## 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 µg/µL

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 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months