

Datasheet for ABIN7152365  
**anti-EYA4 antibody (AA 153-224)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	EYA4
Binding Specificity:	AA 153-224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Eyes absent homolog 4 protein (153-224AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	EYA4
Alternative Name:	EYA4 ( <a href="#">EYA4 Products</a> )
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. Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. May be involved in development of the eye (By similarity).

Aliases: CMD1J antibody, Deafness, autosomal dominant 10 antibody, DFNA 10 antibody, DFNA10 antibody, dJ78N10.1 (eyes absent (Drosophila) homolog 4) antibody, dJ78N10.1 (eyes absent) antibody, EYA 4 antibody, eya4 antibody, EYA4\_HUMAN antibody, Eyes absent 4 antibody, Eyes absent homolog 4 (Drosophila) antibody, Eyes absent homolog 4 antibody, HGNC:3522 antibody, OTTHUMP00000040267 antibody

UniProt: [O95677](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

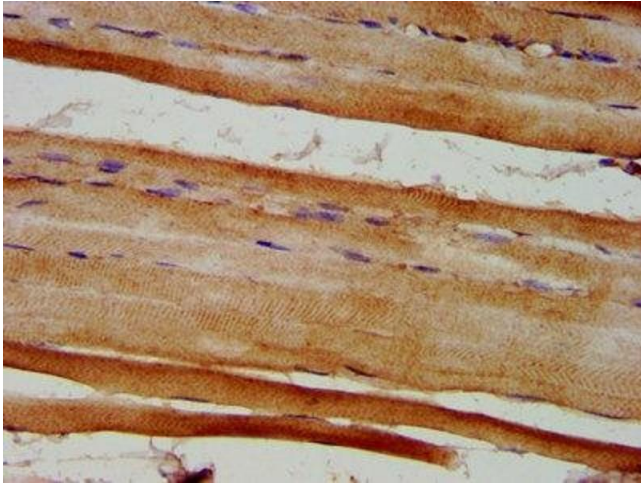
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

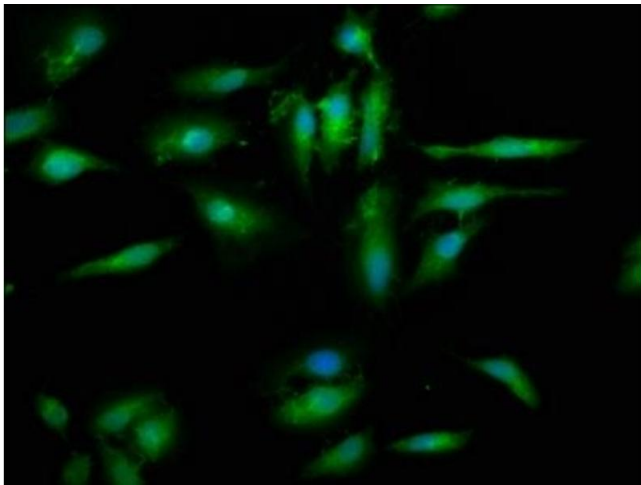
Storage: -20 °C,-80 °C

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



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7152365 diluted at 1:600 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunofluorescence

**Image 2.** Immunofluorescence staining of HeLa cells with ABIN7152365 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).