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Datasheet for ABIN7267073
anti-EYA3 antibody (AA 1-300)

2 Images

Overview

Quantity:	100 µL
Target:	EYA3
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	EYA3 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human EYA3 (NP_001981.2).
Sequence:	MEEEQDLPEQ PVKKAKMQES GEQTISQVSN PDVSDQKPET SSLASNLPMSE EIIMTCTDYI PRSSNDYTSQ MYSAPYAHILSVPVSETAY PGQTQYQTLQ QTQPYAVYPQ ATQTYGLPPF GALWPGMKPE SGLIQTPSPS QHSVLCTTGLTTSQPSPAH YSYPQASST NASLISTSST IANIPAAAVA SISNQDYPTY TILGQNQYQA CYPSSSFGVT GQTNDAEST TLAATTYQSE KPSVMAPAPA AQLRSSGDPS TSPSLSQTTP SKDTPDDQSRK NMTSKNRGKR KADATSSQDS
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: EYA3

Alternative Name: EYA3 ([EYA3 Products](#))

Background: This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may act as a transcriptional activator and have a role during development. It can act as a mediator of chemoresistance and cell survival in Ewing sarcoma cells, where this gene is up-regulated via a micro-RNA that binds to the 3' UTR of the transcript. A similar protein in mice acts as a transcriptional activator. Alternative splicing of this gene results in multiple transcript variants.,EYA3,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,Dephosphorylation,Signal Transduction,Stem Cells,Neural Stem Cells,EYA3

Molecular Weight: 48kDa/56kDa/57kDa/58kDa/62kDa

Gene ID: 2140

UniProt: [Q99504](#)

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

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

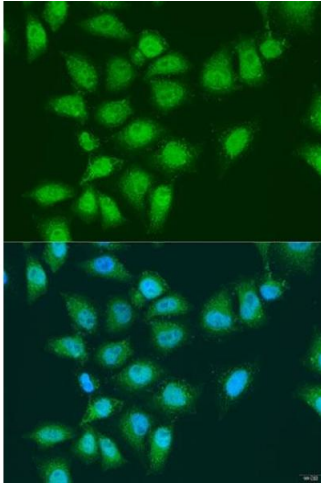
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

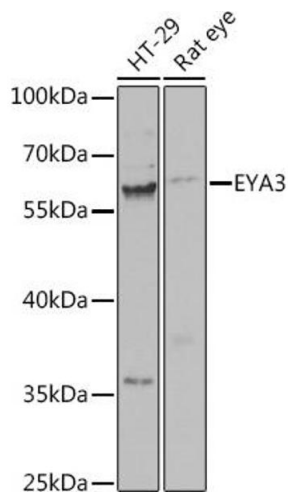
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using EY antibody (ABIN7267073) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using EY antibody (ABIN7267073) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.