


# Anti-EYA2 antibody ab95875

**4 References**   **3 图像**

### 概述

产品名称	Anti-EYA2抗体
描述	兔多克隆抗体to EYA2
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Human 预测可用于: Horse, Cow, Chimpanzee, Rhesus monkey, Gorilla, Opossum, Orangutan, Bat 
免疫原	Synthetic peptide corresponding to a region between residue 100 and 150 of human EYA2 (NP_005235.3)
阳性对照	293T cells lysate
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab95875于以下的经测试应用

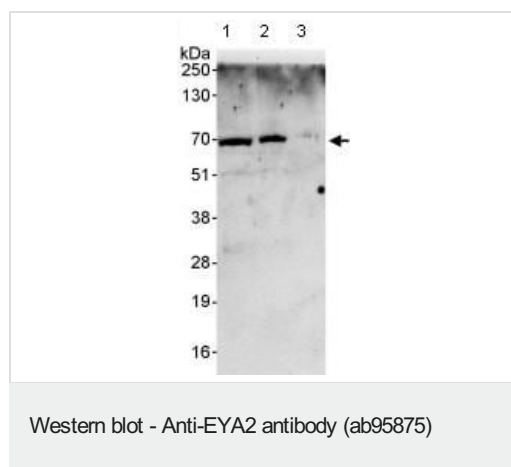
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 59 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

功能	Tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). '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. 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. Coactivates SIX1. Seems to coactivate SIX2, SIX4 and SIX5. Together with SIX1 and DACH2 seem to be involved in myogenesis. May be involved in development of the eye. Interaction with GNAZ and GNAI2 prevents nuclear translocation and transcriptional activity.
组织特异性	Highest expression in muscle with lower levels in kidney, placenta, pancreas, brain and heart.
序列相似性	Belongs to the HAD-like hydrolase superfamily. EYA family.
发展阶段	At the begin of fourth week of development detected in cytoplasm of somite cells. Between the sixth and eighth week of development detected in cytoplasm of limb bud cells.
细胞定位	Cytoplasm. Nucleus.

## 图片



**All lanes :** Anti-EYA2 antibody (ab95875) at 0.2 µg/ml

**Lane 1 :** 293T cell lysate at 50 µg

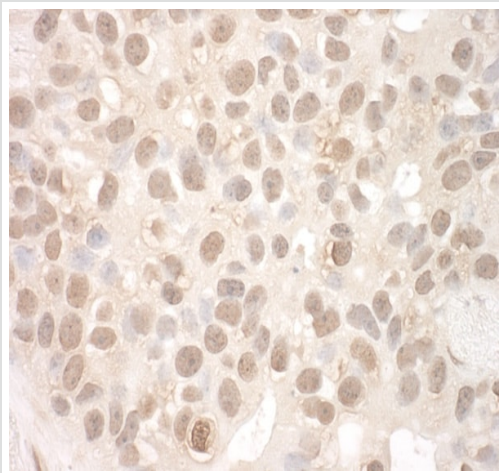
**Lane 2 :** 293T cell lysate at 15 µg

**Lane 3 :** 293T cell lysate at 5 µg

Developed using the ECL technique.

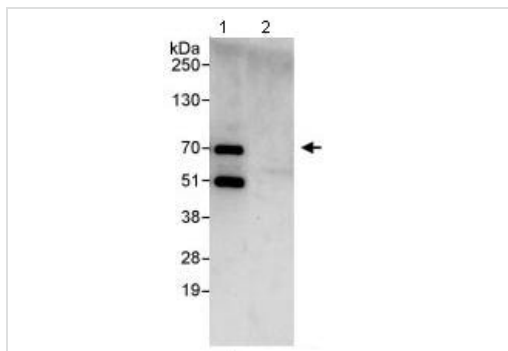
**Predicted band size:** 59 kDa

**Exposure time:** 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EYA2 antibody (ab95875)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling EYA2 with ab95875 at 1/1000 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-EYA2 antibody (ab95875)

Detection of human Eya2 by Western Blot of Immunoprecipitate. ab95875 at 0.1µg/ml staining Eya2 in 293T cell lysate immunoprecipitated using ab95875 at 3µg/mg (1mg/IP; 20% of IP loaded/lane) Detection: Chemiluminescence with exposure time of 10 seconds..

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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