


Anti-EYA4 antibody ab93865

2 图像

概述

产品名称	Anti-EYA4抗体
描述	兔多克隆抗体to EYA4
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human 预测可用于: Rabbit, Guinea pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide from within residues: MEDSVDLNEQ SVKKTCTESD VSQSQNSRSM EMQDLASPHT LVGGDTPGS, corresponding to N terminal amino acids 1-50 of Human EYA4 (NP_004091.3) Run BLAST with ExpASY Run BLAST with NCBI
阳性对照	HeLa wholec cell 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&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 ab93865 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		1/1000 - 1/5000. Predicted molecular weight: 70 kDa.
IP		Use at 2-5 µg/mg of lysate.

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. May be involved in development of the eye.

组织特异性

Highly expressed in heart and skeletal muscle.

疾病相关

Defects in EYA4 are the cause of deafness autosomal dominant type 10 (DFNA10) [MIM:601316]. DFNA10 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.

Defects in EYA4 are the cause of cardiomyopathy dilated type 1J (CMD1J) [MIM:605362]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

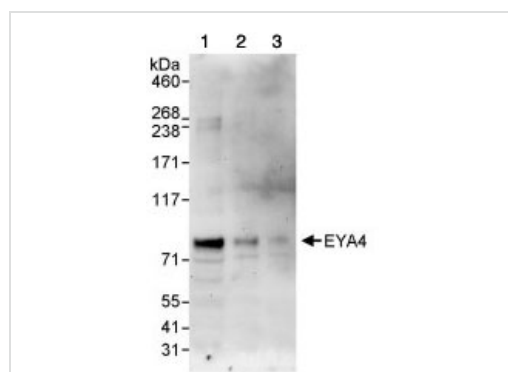
序列相似性

Belongs to the HAD-like hydrolase superfamily. EYA family.

细胞定位

Cytoplasm. Nucleus.

图片



Western blot - Anti-EYA4 antibody (ab93865)

All lanes : Anti-EYA4 antibody (ab93865) at 0.4 µg/ml

Lane 1 : HeLa cell lysate at 50 µg

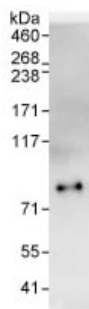
Lane 2 : HeLa cell lysate at 15 µg

Lane 3 : HeLa cell lysate at 5 µg

Developed using the ECL technique.

Predicted band size: 70 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-EYA4 antibody (ab93865)

3 μ g ab93865 were used to immunoprecipitate EYA4 from 1mg HeLa whole cell lysate. 20% IP was loaded and probed with 1 μ g/ml ab93865.

Detection: chemiluminescence with exposure time of 10 seconds.

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