

Product datasheet

Anti-Aconitase 2 antibody ab83528

★★★★☆ 2 Abreviews 2 References 3 图像

概述

产品名称	Anti-Aconitase 2抗体
描述	兔多克隆抗体to Aconitase 2
经测试应用	适用于: ICC/IF, ELISA, IHC-P, WB
种属反应性	与反应: Mouse, Human, Caenorhabditis elegans 预测可用于: Rat, Chicken, Cow, Dog, Pig, Saccharomyces cerevisiae, Drosophila melanogaster, Zebrafish
免疫原	Synthetic peptide corresponding to a region within internal sequence amino acids 648-697 (RYYKKHGIRWVIGDENYEGSSREHAALPRHLGGRAIITKSFARIHET) of human ACO2 (NP_001089). Run BLAST with Run BLAST with
阳性对照	721_B cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
纯化说明	Purified by peptide affinity chromatography method.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab83528** in the following tested applications.

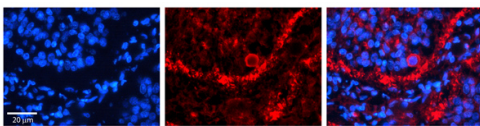
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay, 1:312500.
IHC-P		1/100.
WB	★★★★☆	Use a concentration of 1 µg/ml. Predicted molecular weight: 85 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

靶标

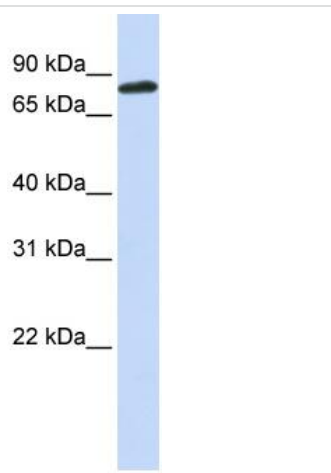
功能	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.
通路	Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 2/2.
序列相似性	Belongs to the aconitase/IPM isomerase family.
细胞定位	Mitochondrion.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aconitase 2 antibody (ab83528)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pineal tissue labelling Aconitase 2 with ab83528 at 1/100. A Cy3-conjugated donkey anti-rabbit IgG (1/200) was used as the secondary antibody. Positive staining shown in the cytoplasm of the cell bodies of pinealocytes and connective tissue (septum). Magnification: 20X. Exposure time: 0.5 - 2.0 seconds. Left - DAPI. Middle - Aconitase 2. Right - Merge.



Western blot - Aconitase 2 antibody (ab83528)

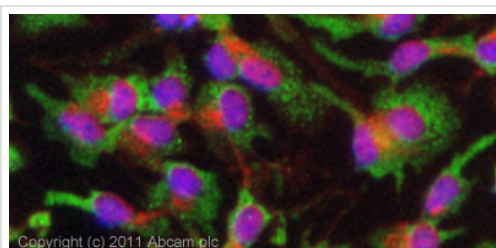
Anti-Aconitase 2 antibody (ab83528) at 1 µg/ml (in 5% skim milk/ PBS) + 721_B cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size : 85 kDa

Observed band size : 85 kDa



Immunocytochemistry/ Immunofluorescence-Anti-Aconitase 2 antibody(ab83528)

ICC/IF image of ab83528 stained HepG2 cells. The cells were 4% formaldehyde (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab83528, 1 µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#) Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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