

Anti-TRPM7 antibody ab729

★★★★★ **2 Abreviews** **26 References** **1 图像**

概述

产品名称	Anti-TRPM7抗体
描述	山羊多克隆抗体to TRPM7
宿主	Goat
经测试应用	适用于: ICC/IF
种属反应性	与反应: Human 预测可用于: Dog, Pig 
免疫原	Synthetic peptide: TKESESTNSVRLML, corresponding to C terminal amino acids 1852-1865 of Human TRPM7.  Run BLAST with Expasy  Run BLAST with NCBI
常规说明	In response to customer feedback and in-house testing the latest lot doesn't pass the WB quality testing so we have decided to remove the application for now. Please contact technical@abcam.com for more details.

Please see reference He et al for details of the size of the protein detected by SDS-PAGE.
Principal Names: TRPM7; transient receptor potential cation channel, subfamily M, member 7; CHAK; CHAK1; LTRPC7; FLJ20117; TRP-PLIK; LTRPC ion channel family member 7; homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHaK hypothetical protein. Official Gene Symbol - TRPM7 GenBank Accession Number – XP_030709 LocusLink ID - 54822 (human).

Can be blocked with Human TRPM7 peptide ([ab22777](#)).

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.

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

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	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab729于以下的经测试应用

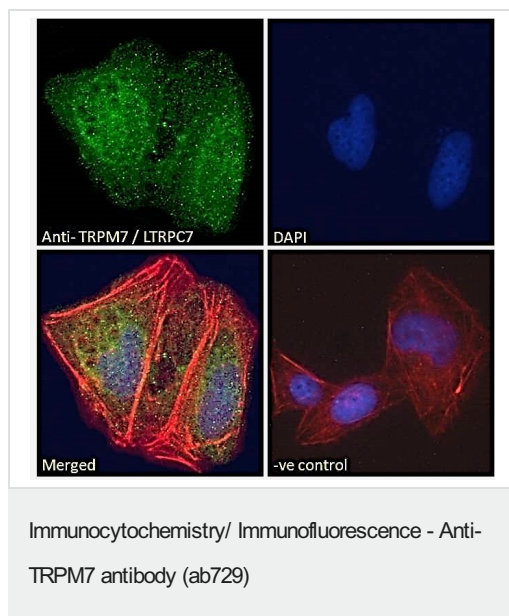
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.

靶标

功能	Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium. Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death. The kinase activity is essential for the channel function. May be involved in a fundamental process that adjusts plasma membrane divalent cation fluxes according to the metabolic state of the cell. Phosphorylates annexin A1 (ANXA1).
疾病相关	Defects in TRPM7 are a cause of susceptibility to amyotrophic lateral sclerosis-parkinsonism/dementia complex type 1 (ALS-PDC1) [MIM:105500]; also called amyotrophic lateral sclerosis-parkinsonism/dementia complex of Guam or Guam disease. Amyotrophic lateral sclerosis-parkinsonism/dementia complex type 1 is a neurodegenerative disorder characterized by chronic, progressive and uniformly fatal amyotrophic lateral sclerosis and parkinsonism-dementia. Both diseases are known to occur in the same kindred, the same sibship and even the same individual.
序列相似性	In the C-terminal section; belongs to the protein kinase superfamily. Alpha-type protein kinase family. ALPK subfamily. In the N-terminal section; belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM7 sub-subfamily. Contains 1 alpha-type protein kinase domain.
翻译后修饰	Autophosphorylated.
细胞定位	Membrane.

图片



Immunocytochemistry/ Immunofluorescence analysis of U2OS labeling TRPM7 with ab729 at 10 ug/mL. Cells were fixed with paraformaldehyde and permeabilized with 0.15% Triton. An Alexa Fluor 488 antibody was used as the secondary antibody (2ug/mL). Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/mL) followed by Alexa Fluor 488 secondary antibody (2ug/mL).

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