

Anti-Calcium Pump PMCA3 ATPase antibody ab3530

★★★★★ [3 Abreviews](#) [5 References](#) [3 图像](#)

概述

产品名称	Anti-Calcium Pump PMCA3 ATPase抗体
描述	兔多克隆抗体to Calcium Pump PMCA3 ATPase
宿主	Rabbit
特异性	Detects PMCA 3a and 3b ATPase.
经测试应用	适用于: IHC, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Rat Calcium Pump PMCA3 ATPase aa 1-100. Run BLAST with ExpASY Run BLAST with NCBI
阳性对照	IHC: Human skeletal muscle tissue ; Human brain tissue ; Liver tissue
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
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 ab3530 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。

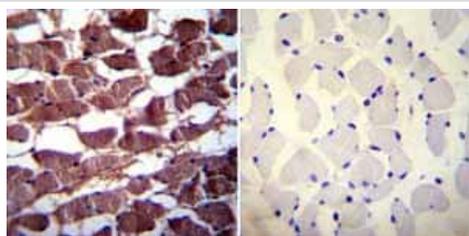
应用	Ab评论	说明
IHC		1/20.
IHC-P	★★★★★ (1)	1/20.

靶标

相关性 Calcium Pump PMCA3 ATPase belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. Calcium Pump PMCA3 ATPase is the plasma membrane calcium ATPase isoform 3.

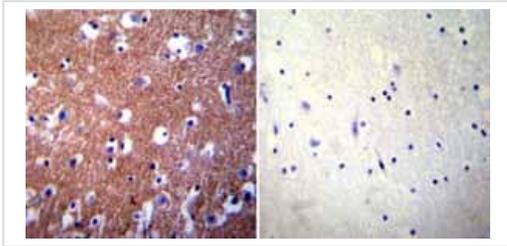
细胞定位 Cell membrane; Multi-pass membrane protein.

图片



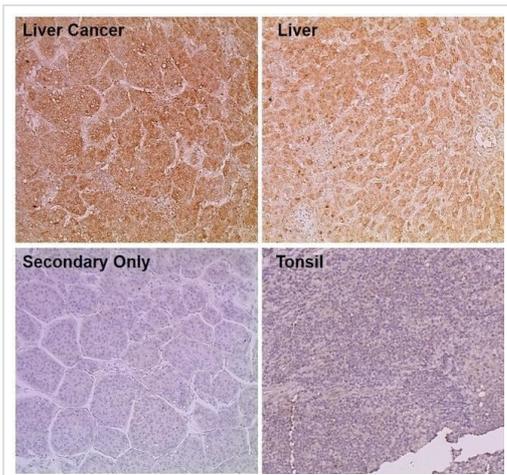
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calcium Pump PMCA3 ATPase antibody (ab3530)

Immunohistochemistry was performed on normal biopsies of deparaffinized Human skeletal muscle tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing PMCA3 ATPase ab3530 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calcium Pump PMCA3 ATPase antibody (ab3530)

Immunohistochemistry was performed on normal biopsies of deparaffinized Human brain tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing PMCA3 ATPase ab3530 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry - Anti-Calcium Pump PMCA3 ATPase antibody (ab3530)

Immunohistochemical analysis of liver and liver cancer tissue labelling Calcium Pump PMCA3 ATPase with ab3530. No staining observed in secondary antibody only control, and human tonsil which does not express Calcium Pump PMCA3 ATPase.

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