abcam

Product datasheet

Anti-Adenosine Receptor A2a antibody ab3461

2 Abreviews 32 References 6 图像

概述

产品名称	Anti-Adenosine Receptor A2a抗体
描述	兔多克隆抗体to Adenosine Receptor A2a
宿主	Rabbit
特异性	Detects adenosine receptor A2a. This antibody does not detect other AR subtypes.
经测试应用	**适用于:** ICC, WB, IHC-P
种属反应性	**与反应:** Mouse, Human **预测可用于:** Horse
免疫原	Synthetic peptide corresponding to Dog Adenosine Receptor A2a aa 373-391. Sequence: ESHGDMGLPDVELLSHELK Run BLAST with Run BLAST with
阳性对照	IHC-P: Human testis and placenta tissues. ICC: U251 and SKNSH cells. WB: HepG2 and HeLa cell lysates; Human placenta tissue lysate; Mouse liver tissue lysate.
常规说明	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. 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ab3461于以下的经测试应用

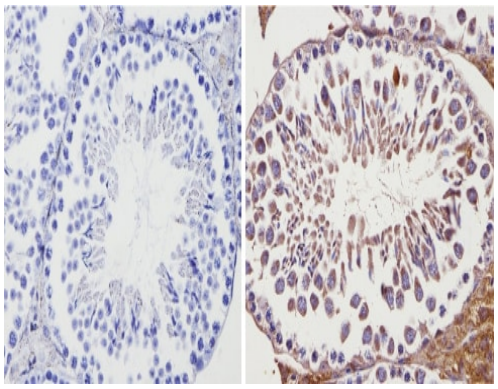
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use at an assay dependent concentration.
WB	★★★★☆ (1)	1/1000.
IHC-P		1/20 - 1/200.

靶标

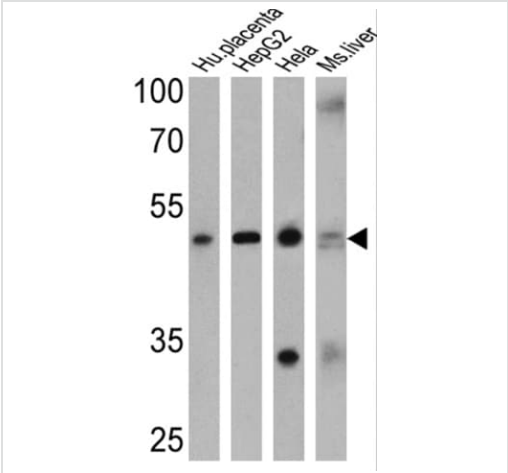
功能	Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
序列相似性	Belongs to the G-protein coupled receptor 1 family.
结构域	The cytoplasmic C-terminal domain is necessary for targeting the non-ubiquitinated form of this protein to the cell surface.
翻译后修饰	Ubiquitinated. Deubiquitinated by USP4; leading to stabilization and expression at the cell surface.
细胞定位	Cell membrane.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody (ab3461)

ab3461 labelling Adenosine Receptor A2a in the cytoplasm and membrane of Mouse testis tissue (right) compared with a negative control (left) by Immunohistochemisty (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0) microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:20 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

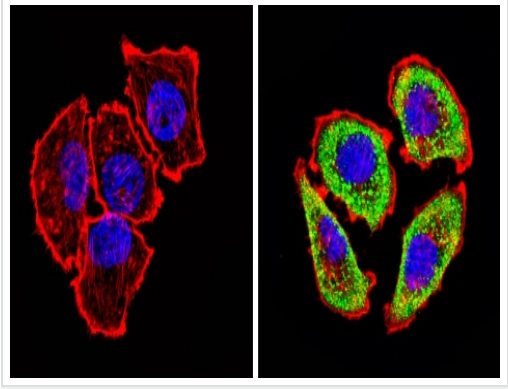


Western blot - Anti-Adenosine Receptor A2a antibody (ab3461)

All lanes : Anti-Adenosine Receptor A2a antibody (ab3461) at 1/500 dilution

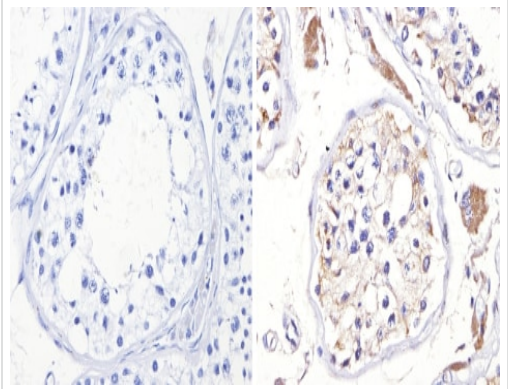
Lane 1 : Human placenta cell lysate
Lane 2 : HepG2 cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : Mouse liver cell lysate

Lysates/proteins at 25 µg per lane.



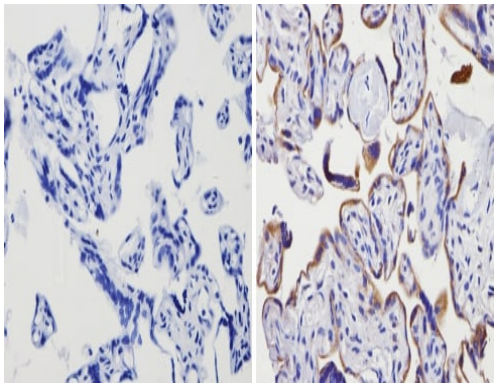
Immunocytochemistry - Anti-Adenosine Receptor A2a antibody (ab3461)

Immunocytochemistry/Immunofluorescence analysis of Adenosine Receptor A2a (green) showing staining in the cytoplasm of U251 cells (right) compared to a negative control (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab3461 in 3% BSA-PBS at a dilution of 1:20 overnight at 4 ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



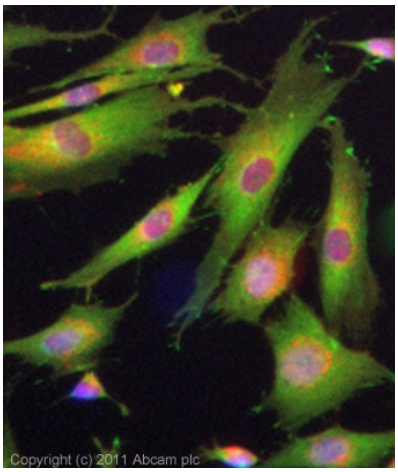
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody (ab3461)

ab3461 labelling Adenosine Receptor A2a in the cytoplasm and membrane of Human testis tissue (right) compared with a negative control (left) by Immunohistochemisty (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0) microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody (ab3461)

ab3461 labelling Adenosine Receptor A2a in the cytoplasm and membrane of Human placenta tissue (right) compared with a negative control (left) by Immunohistochemisty (formalin/PFA-fixed paraffin-embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0) microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:100 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunocytochemistry - Anti-Adenosine Receptor A2a antibody (ab3461)

ICC/IF image of ab3461 stained SKNSH cells. The cells were 100% methanol fixed (5 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 (ab3461, 10µg/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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