


# Anti-Adenosine Receptor A2a antibody ab3461

★★★★☆ [2 Abreviews](#) [32 References](#) [画像数 6](#)

### 製品の概要

製品名	Anti-Adenosine Receptor A2a antibody
製品の詳細	Rabbit polyclonal to Adenosine Receptor A2a
由来種	Rabbit
特異性	Detects adenosine receptor A2a. This antibody does not detect other AR subtypes.
アプリケーション	<b>適用あり:</b> ICC, WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Horse 
免疫原	Synthetic peptide corresponding to Dog Adenosine Receptor A2a aa 373-391. Sequence: ESHGDMGLPDVELLSHELK <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	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.
特記事項	<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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アプリケーション

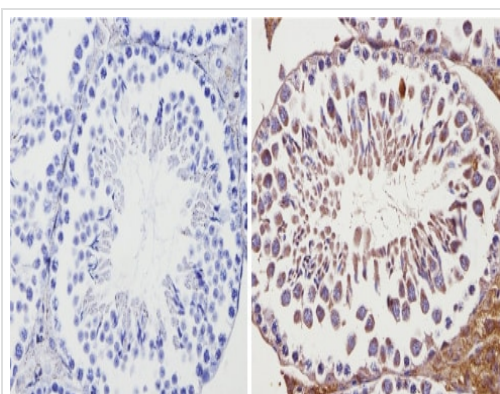
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab3461の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000.
IHC-P		1/20 - 1/200.

ターゲット情報

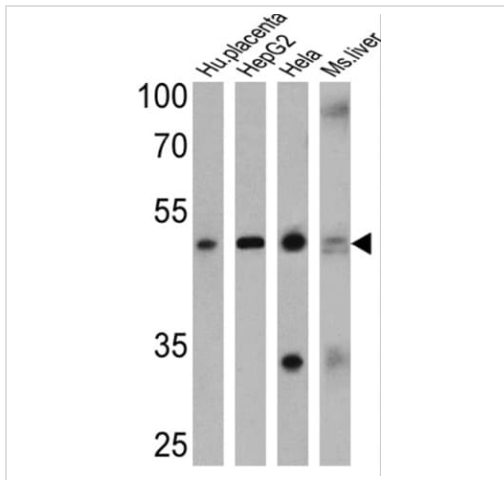
機能	Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
配列類似性	Belongs to the G-protein coupled receptor 1 family.
ドメイン	The cytoplasmic C-terminal domain is necessary for targeting the non-ubiquitinated form of this protein to the cell surface.
翻訳後修飾	Ubiquitinated. Deubiquitinated by USP4; leading to stabilization and expression at the cell surface.
細胞内局在	Cell membrane.

画像



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 Immunohistochemistry (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

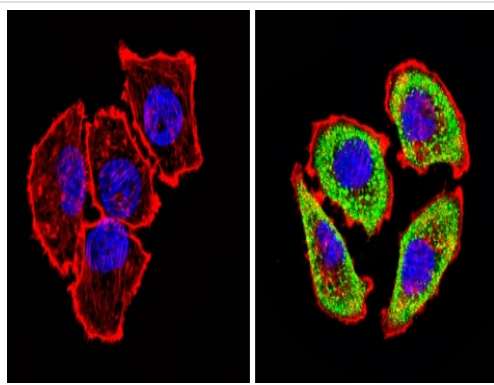
**Lane 1** : Human placenta cell lysate

**Lane 2** : HepG2 cell lysate

**Lane 3** : HeLa cell lysate

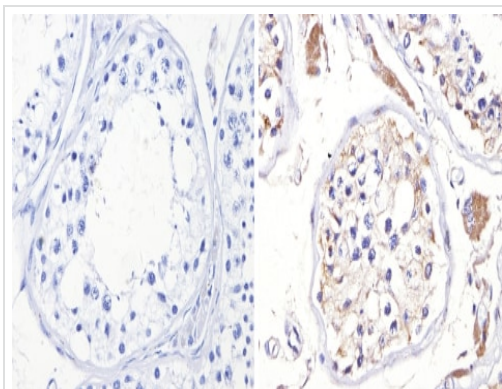
**Lane 4** : Mouse liver cell lysate

Lysates/proteins at 25 µg per lane.



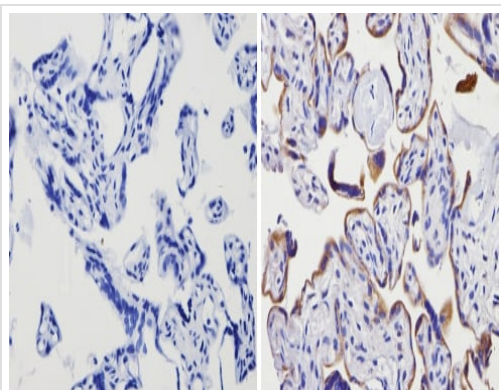
Immunocytochemistry - Anti-Adenosine Receptor A2a antibody (ab3461)

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 °C 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.



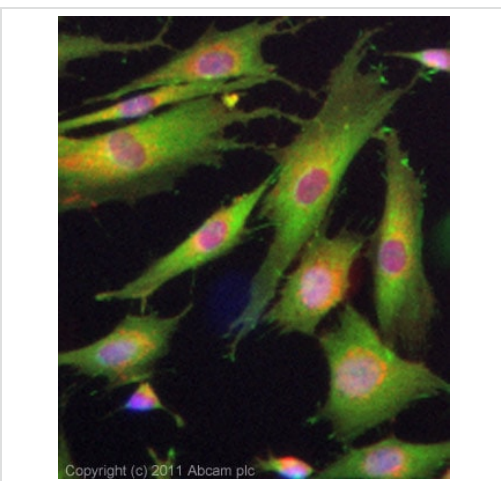
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody (ab3461)

ab3461 labelling Adenosine Receptor A2a in the cytoplasm and membrane of Human testis tissue (right) compared with a negative control (left) by Immunohistochemistry (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% H<sub>2</sub>O<sub>2</sub>-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 Immunohistochemistry (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% H<sub>2</sub>O<sub>2</sub>-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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