

Anti-Cannabinoid Receptor II antibody ab3561

★★★★☆ [18 Abreviews](#) [77 References](#) [画像数 4](#)

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-Cannabinoid Receptor II antibody |
| 製品の詳細 | Rabbit polyclonal to Cannabinoid Receptor II |
| 由来種 | Rabbit |
| 特異性 | We have had mixed results for use of this antibody in mouse. Thus, we are removing mouse as a guaranteed application and welcome any feedback from customers who have used this antibody in mouse. |
| アプリケーション | 適用あり: ICC, WB, IHC-P |
| 種交差性 | 交差種: Rat, Human, Recombinant fragment |
| 免疫原 | Recombinant fragment within Rat Cannabinoid Receptor II aa 1-100 (N terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q9QZN9 |
| ポジティブ・コントロール | WB: HT29, C6, rat colon cell lysate; IHC: human tonsil tissue, skin tissue; ICC: AtT20 cells transfected with rat CB2 gene |
| 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&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: 50% Glycerol, 0.1% BSA, 49% PBS |
| 精製度 | Immunogen affinity purified |

一次抗体 備考

Cannabinoids exert their well known physiological effects through two G protein coupled receptors, cannabinoid receptor 1 (CB1) and CB2. Both cannabinoid receptors have been shown to inhibit adenylyl cyclase as well as stimulate the mitogen-activated protein kinase, MAPK. CB1 receptors also modulate ion channels through direct G-protein interactions. Delta 9-tetrahydrocannabinol and related ligands likely exert their psychoactive effects by inhibiting presynaptic N- and P / Q type calcium channels. CB2 is thought to function primarily in the immune system although it has been suggested to be present in the central nervous system, including the retina.

ポリモノ

ポリクローナル

アイソタイプ

IgG

アプリケーション

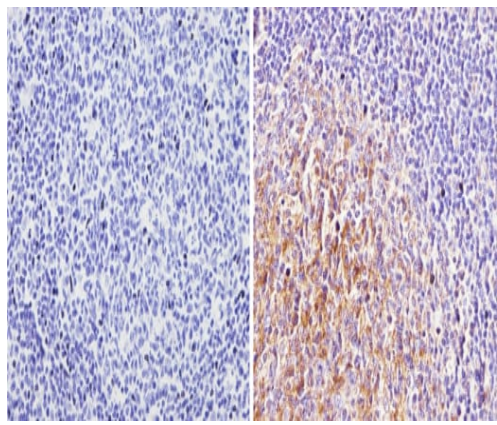
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| ICC | | 1/500. |
| WB | ★★★★☆ (4) | 1/50 - 1/500. Predicted molecular weight: 40 kDa. |
| IHC-P | ★★★★☆ (2) | 1/10 - 1/100. |

ターゲット情報

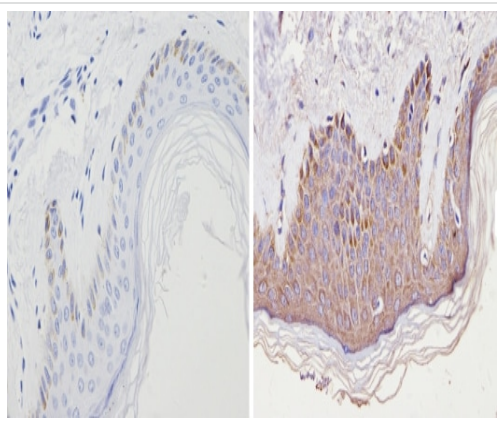
| | |
|-------|---|
| 機能 | Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylyl cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis. |
| 組織特異性 | Preferentially expressed in cells of the immune system with higher expression in B cells and NK cells (at protein level). Expressed in skin in suprabasal layers and hair follicles (at protein level). Highly expressed in tonsil and to a lower extent in spleen, peripheral blood mononuclear cells, and thymus. PubMed:14657172 could not detect expression in normal brain. Expressed in brain by perivascular microglial cells and dorsal root ganglion sensory neurons (at protein level). |
| 配列類似性 | Belongs to the G-protein coupled receptor 1 family. |
| 翻訳後修飾 | Constitutively phosphorylated on Ser-352; phosphorylation increases cell internalization and desensitizes the receptor. |
| 細胞内局在 | Cell membrane. Cell projection > dendrite. Perikaryon. Localizes to apical dendrite of pyramidal neurons. |

画像



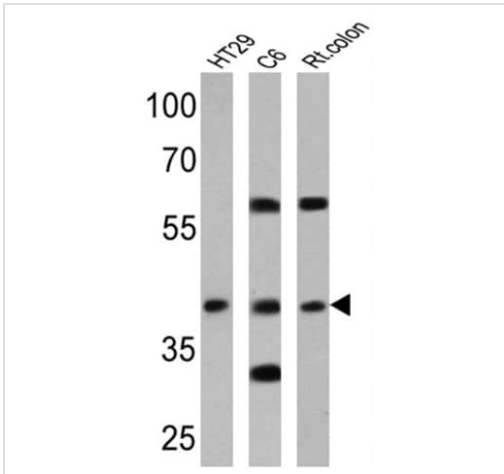
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cannabinoid Receptor II antibody (ab3561)

ab3561 labelling Cannabinoid Receptor II in the cytoplasm of Human tonsil 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. 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 **anti-rabbit HRP** was used 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-Cannabinoid Receptor II antibody (ab3561)

ab3561 labelling Cannabinoid Receptor II in the cytoplasm of Human skin 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. 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 **anti-rabbit HRP** was used 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-Cannabinoid Receptor II antibody (ab3561)

All lanes : Anti-Cannabinoid Receptor II antibody (ab3561) at 1/200 dilution

Lane 1 : HT29 cell lysate

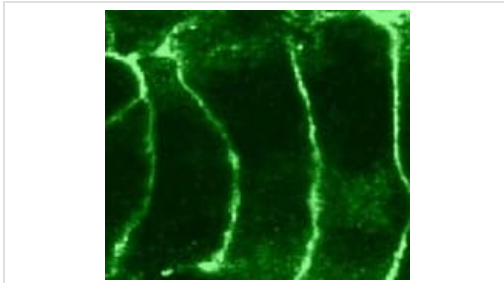
Lane 2 : C6 cell lysate

Lane 3 : Rat colon cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 40 kDa

Observed band size: 40 kDa



Immunocytochemistry - Anti-Cannabinoid Receptor II antibody (ab3561)

Immunocytochemistry/immunofluorescence analysis of AtT20 cells transfected with the rat CB2 gene labeling Cannabinoid Receptor II with ab3561.

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