


### Anti-GABA A Receptor alpha 1 antibody ab33299

★★★★★ [3 Abreviews](#) [40 References](#) [画像数 3](#)

#### 製品の概要

|                 |  |
|-----------------|--|
| <b>製品名</b>      | Anti-GABA A Receptor alpha 1 antibody  |
| <b>製品の詳細</b>    | Rabbit polyclonal to GABA A Receptor alpha 1   |
| <b>由来種</b>      | Rabbit   |
| <b>特異性</b>      | This antibody is specific for the GABA A Receptor a1 subunit.  |
| <b>アプリケーション</b> | <b>適用あり:</b> IHC-P, WB, IP   |
| <b>種交差性</b>     | <b>交差種:</b> Rat<br><b>交差が予測される動物種:</b> Cow, Cynomolgus monkey    |
| <b>免疫原</b>      | Synthetic peptide:<br>QPSQDELKDNTTVFT-C<br>, corresponding to N terminal amino acids 1-15 of the mature Rat GABA A Receptor alpha 1 containing a cysteine at the C terminus for linkage to a carrier protein.<br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> |

#### 特記事項

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

#### 製品の特性

|              |  |
|--------------|--|
| <b>製品の状態</b> | Liquid   |
| <b>保存方法</b>  | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.                 |
| <b>バッファー</b> | pH: 7.40<br>Preservative: 0.05% Sodium azide<br>Constituents: 0.184% Tris glycine, 30% Glycerol, 0.87% Sodium chloride |
| <b>精製度</b>   | Protein A purified   |
| <b>ポリ/モノ</b> | ポリクローナル  |

## アプリケーション

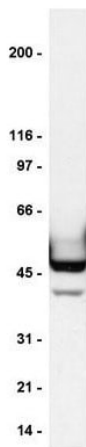
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab33299の使用に適用されず**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| IHC-P    |           | Use at an assay dependent concentration.  |
| WB       | ★★★★★ (1) | 1/10000. Predicted molecular weight: 52 kDa.  |
| IP       |           | Use at an assay dependent concentration. 5ul immunoprecipitates the GABA A Receptor a1 subunit in rat brain microsomal preparation RIPA lysate. |

## ターゲット情報

|       |   |
|-------|---|
| 機能    | GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.  |
| 関連疾患  | Defects in GABRA1 are the cause of childhood absence epilepsy type 4 (ECA4) [MIM:611136]. A subtype of idiopathic generalized epilepsy characterized by onset at age 6-7 years, frequent absence seizures (several per day) and bilateral, synchronous, symmetric 3-Hz spike waves on EEG. During adolescence, tonic-clonic and myoclonic seizures may develop. Absence seizures may either remit or persist into adulthood.<br>Defects in GABRA1 are the cause of juvenile myoclonic epilepsy type 5 (EJM5) [MIM:611136]. A subtype of idiopathic generalized epilepsy. Patients have afebrile seizures only, with onset in adolescence (rather than in childhood) and myoclonic jerks which usually occur after awakening and are triggered by sleep deprivation and fatigue. |
| 配列類似性 | Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA1 sub-subfamily.   |
| 細胞内局在 | Cell junction > synapse > postsynaptic cell membrane. Cell membrane.  |

## 画像



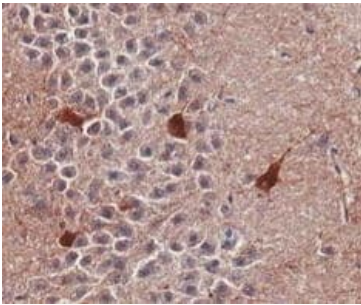
Western blot - Anti-GABA A Receptor alpha 1 antibody (ab33299)

Anti-GABA A Receptor alpha 1 antibody (ab33299) at 1/10000 dilution + rat brain microsomal preparation tissue lysate at 10  $\mu$ g

**Predicted band size:** 52 kDa

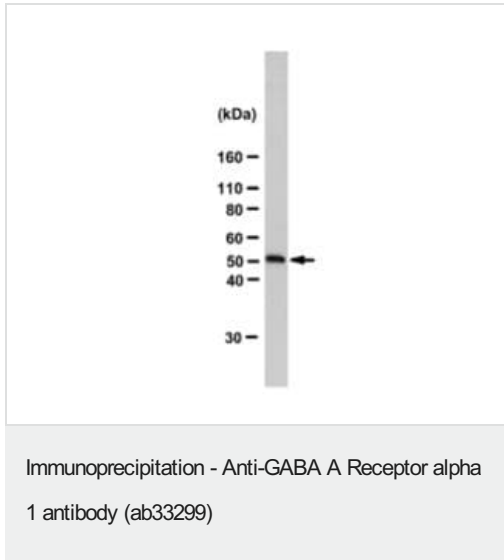
**Observed band size:** 51 kDa

Proteins were visualized using an IgG (HRP) donkey anti-rabbit and a chemiluminescence detection system.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA A Receptor alpha 1 antibody (ab33299)

Immunohistochemistry analysis of formalin fixed paraffin embedded rat hippocampus tissue prepared using heat-induced epitope retrieval (HIER) labeling GABA A Receptor alpha 1 using ab33299 at 1/500 dilution. Secondary antibody was an anti-rabbit antibody and HRP-DAB.



Immunoprecipitation analysis: 1 mg of RIPA lysate of rat brain microsomes was immunoprecipitated with 5 uL of ab33299. Arrow indicates GABAA Receptor a1 (~50kD).

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