

# Anti-GABA A Receptor alpha 1 antibody [EPR23539-255] - BSA and Azide free ab272398

リコンビナント **RabMAb**

画像数 4

### 製品の概要

製品名	Anti-GABA A Receptor alpha 1 antibody [EPR23539-255] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23539-255] to GABA A Receptor alpha 1 - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, IP <b>適用なし:</b> Flow Cyt or ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Mouse and rat cerebrum tissue. WB: Mouse and rat brain, cerebellum and hippocampus tissue lysate. Human brain and cerebellum tissue lysate. IP: Mouse cerebellum tissue lysate.
特記事項	<p>ab272398 is the carrier-free version of <a href="#">ab252430</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23539-255
アイソタイプ	IgG

## 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ab272398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。

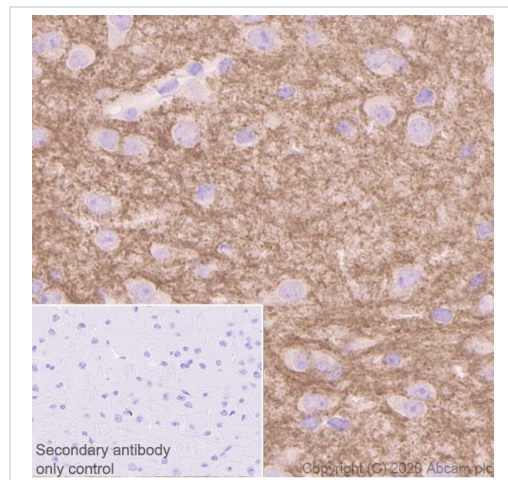
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 52 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for Flow Cyt or ICC/IF.

## 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. 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.

## 画像



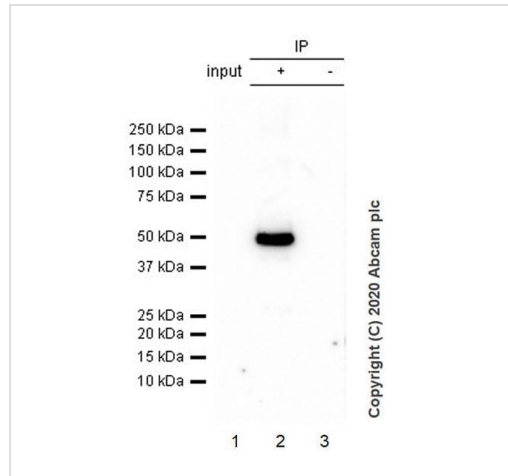
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA A Receptor alpha 1 antibody [EPR23539-255] - BSA and Azide free (ab272398)

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling GABA A Receptor alpha 1 with [ab252430](#) at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Cytoplasmic staining on mouse cerebrumis observed (PMID:29467616). The section was incubated with [ab252430](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252430](#)).



Immunoprecipitation - Anti-GABA A Receptor alpha 1 antibody [EPR23539-255] - BSA and Azide free (ab272398)

GABA A Receptor alpha 1 was immunoprecipitated from 0.35 mg mouse cerebellum tissue lysate 10µg with [ab252430](#) at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using [ab252430](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** Mouse cerebellum tissue lysate 10µg.

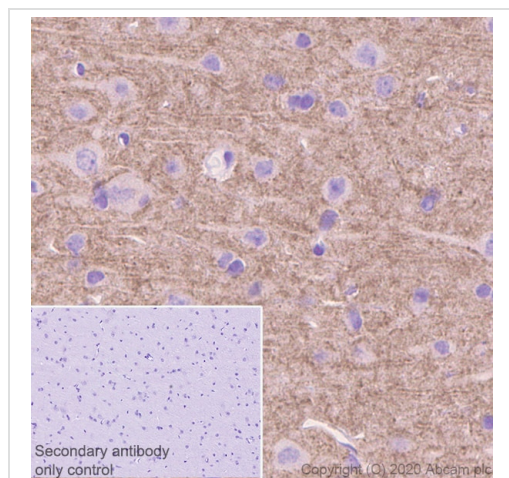
**Lane 2:** [ab252430](#) IP in mouse cerebellum tissue lysate.

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of [ab252430](#) in mouse cerebellum tissue lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 33 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252430](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA A Receptor alpha 1 antibody [EPR23539-255] - BSA and Azide free (ab272398)

Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labeling GABA A Receptor alpha 1 with [ab252430](#) at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Cytoplasmic staining on rat cerebrum is observed (PMID:29467616). The section was incubated with [ab252430](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup> RX instrument. Counterstained with hematoxylin.

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This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252430](#)).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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