

Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] ab133477

リコンビナント **RabMAb**

★★★★★ **3 Abreviews** **24 References** 画像数 4

製品の概要

製品名	Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032]
製品の詳細	Rabbit monoclonal [EPR5032] to Ionotropic Glutamate receptor 2
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, ICC/IF 適用なし: IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Ionotropic Glutamate receptor 2 aa 150-250. The exact sequence is proprietary.
ポジティブ・コントロール	Flow Cyt (intra): SH-SY5Y cells; ICC/IF: Neuro-2a cells WB: Human hypothalamus and midbrain lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR5032
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ab133477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検討ください。

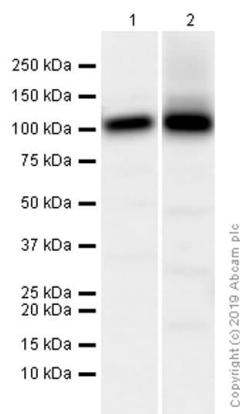
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/80.
WB	★★★★★ (3)	1/1000 - 1/10000. Predicted molecular weight: 98 kDa.
ICC/IF		1/70.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate.
配列類似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. GRIA2 subfamily.
翻訳後修飾	Palmitoylated. Depalmitoylated upon glutamate stimulation. Cys-610 palmitoylation leads to Golgi retention and decreased cell surface expression. In contrast, Cys-836 palmitoylation does not affect cell surface expression but regulates stimulation-dependent endocytosis.
細胞内局在	Cell membrane. Endoplasmic reticulum membrane. Cell junction > synapse > postsynaptic cell membrane. Interaction with CACNG2, CNIH2 and CNIH3 promotes cell surface expression.

画像



Western blot - Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

All lanes : Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477) at 1/5000 dilution (Purified)

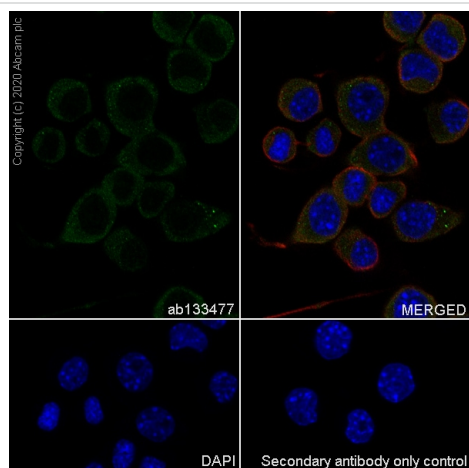
Lane 1 : Human hypothalamus lysate

Lane 2 : Human midbrain lysate

Secondary

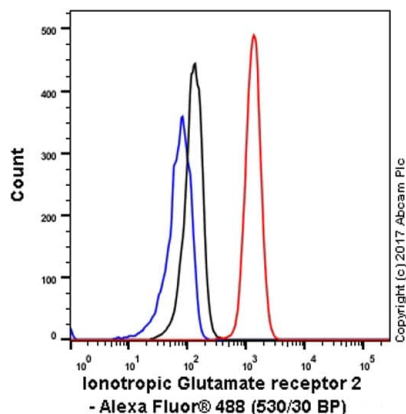
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 98 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

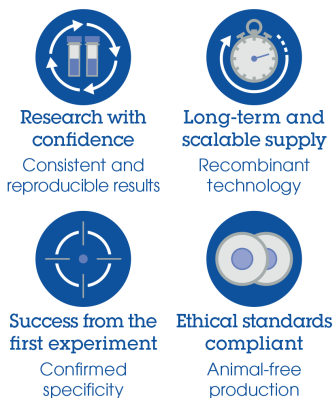
Immunocytochemistry analysis of Neuro-2a (Mouse neuroblastoma neuroblast) cells labeling Ionotropic Glutamate receptor 2 with purified ab133477 at 1/70 dilution (10 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

Intracellular Flow Cytometry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labeling Ionotropic Glutamate receptor 2 (red) with ab133477 at a 1/200 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) ([ab172730](#)). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).

Why choose a recombinant antibody?



Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors