

# Anti-Homer1 antibody [EPR23178-35] - BSA and Azide free ab269952

リコンビナント RabMAb

画像数 2

### 製品の概要

製品名	Anti-Homer1 antibody [EPR23178-35] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23178-35] to Homer1 - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP <b>適用なし:</b> ICC/IF, IHC-Fr or IHC-P
種交差性	<b>交差種:</b> Mouse, Rat
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	WB: Mouse brain, hippocampus and lung lysates; Rat brain and hippocampus lysates. IP: Mouse brain lysate.
特記事項	ab269952 is the carrier-free version of <a href="#">ab245231</a> .

Our **carrier-free** 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.

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.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

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.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## 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	EPR23178-35
アイソタイプ	IgG

## アプリケーション

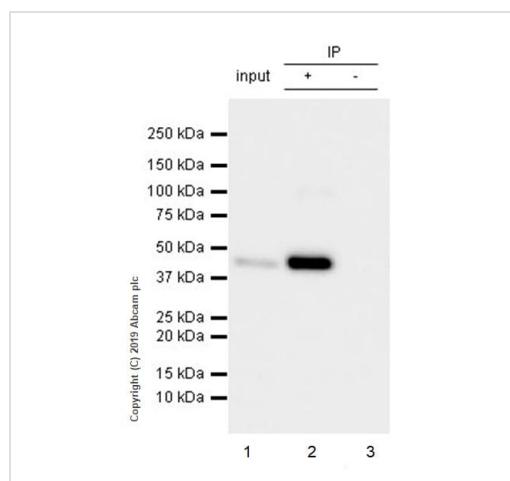
**The Abpromise guarantee**      **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab269952の使用に適用されず  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa).
IP		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for ICC/IF, IHC-Fr or IHC-P.

## ターゲット情報

<b>機能</b>	Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. May also couple GRM1 to PI3 kinase through its interaction with AGAP2. Isoform 1 regulates the trafficking and surface expression of GRM5. Isoform 3 acts as a natural dominant negative, in dynamic competition with constitutively expressed isoform 1 to regulate synaptic metabotropic glutamate function. Isoform 3, may be involved in the structural changes that occur at synapses during long-lasting neuronal plasticity and development.
<b>配列類似性</b>	Belongs to the Homer family. Contains 1 WH1 domain.
<b>ドメイン</b>	The WH1 domain interacts with the PPXXF motif in GRM1, GRM5, RYR1, RYR2, ITPR1, SHANK 1 and SHANK3.
<b>細胞内局在</b>	Cytoplasm. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell junction, synapse. Isoform 1 inhibits surface expression of GRM5 causing it to be retained in the endoplasmic reticulum.



Immunoprecipitation - Anti-Homer1 antibody [EPR23178-35] - BSA and Azide free (ab269952)

Homer1 was immunoprecipitated from 0.35 mg Mouse brain lysate with **ab245231** at 1/30 dilution. Western blot was performed on the immunoprecipitate using **ab245231** 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

**Lane 1:** Mouse brain lysate 10 µg

**Lane 2:** **ab245231** IP in Mouse brain lysate

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab245231** in Mouse brain lysate.

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

**Exposure time:** 15 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab245231**).

Why choose a recombinant antibody?

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

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

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