


# Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free ab247910

KO 評価済 リコンビナント RabMAb

画像数 4

### 製品の概要

製品名	Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EP3425(2)] to INPP4A - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB 適用なし: Flow Cyt or IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab247910 is the carrier-free version of <a href="#">ab109622</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	EP3425(2)
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ab247910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。

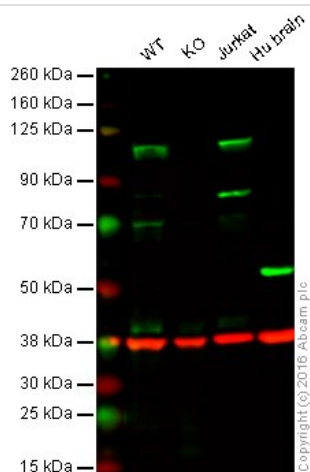
アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.
WB		Use at an assay dependent concentration. Detects a band of approximately 104 kDa (predicted molecular weight: 110 kDa).

**追加情報**      Is unsuitable for Flow Cyt or IP.

## ターゲット情報

機能	Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate.
組織特異性	Isoform 1 is expressed in the platelets, MEG-01 megakaryocytes and Jurkat T-cells. Isoform 2 is expressed in the brain.
パスウェイ	Signal transduction; phosphatidylinositol signaling pathway.
配列類似性	Belongs to the inositol-3,4-bisphosphate 4-phosphatase family. Contains 1 C2 domain.

## 画像



Western blot - Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free (ab247910)

This data was developed using [ab109622](#), the same antibody clone in a different buffer formulation.

**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

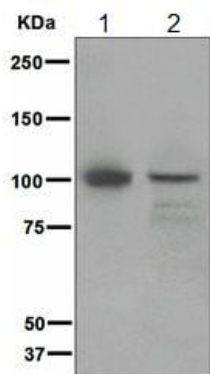
**Lane 2:** INPP4A knockout HAP1 cell lysate (20 µg)

**Lane 3:** Jurkat cell lysate (20 µg)

**Lane 4:** Human fetal brain tissue lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - [ab109622](#) observed at 100 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab109622](#) was shown to specifically react with INPP4A when INPP4A knockout samples were used, along with additional cross-reactive bands. Wild-type and INPP4A knockout samples were subjected to SDS-PAGE. [ab109622](#) and [ab8245](#) (loading control to GAPDH) were diluted at 1/500 and 1/10,000 dilution respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free (ab247910)

**All lanes :** Anti-INPP4A antibody [EP3425(2)] ([ab109622](#)) at 1/1000 dilution

**Lane 1 :** Fetal brain lysate

**Lane 2 :** Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

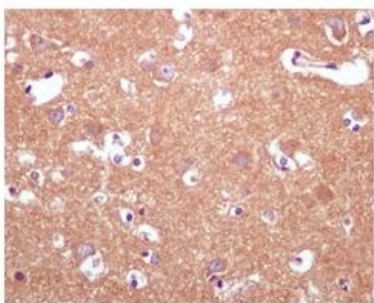
### Secondary

**All lanes :** HRP-labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 110 kDa

**Observed band size:** 104 kDa

This data was developed using [ab109622](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free (ab247910)

This data was developed using [ab109622](#), the same antibody clone in a different buffer formulation. [ab109622](#) at 1/100 dilution staining INPP4A in paraffin-embedded Human brain tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

#### 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

Anti-INPP4A antibody [EP3425(2)] - BSA and Azide free (ab247910)

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

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