


Anti-Insulin degrading enzyme / IDE antibody [EPR6099] - BSA and Azide free ab247897

KO 評価済 リコンビナント RabMAb

画像数 3

製品の概要

製品名	Anti-Insulin degrading enzyme / IDE antibody [EPR6099] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6099] to Insulin degrading enzyme / IDE - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB 適用なし: IHC-P 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.
ポジティブ・コントロール	WB: HeLa, HAP1, K562 and HepG2 cell lysates.
特記事項	<p>ab247897 is the carrier-free version of ab109538.</p> <p>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.</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 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.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p>

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. 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	EPR6099
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ab247897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。

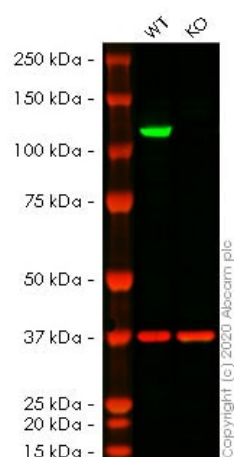
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 118 kDa.

追加情報 Is unsuitable for IHC-P or IP.

ターゲット情報

機能	Plays a role in the cellular breakdown of insulin, IAPP, glucagon, bradykinin, kallidin and other peptides, and thereby plays a role in intercellular peptide signaling. Degrades amyloid formed by APP and IAPP. May play a role in the degradation and clearance of naturally secreted amyloid beta-protein by neurons and microglia.
配列類似性	Belongs to the peptidase M16 family.
翻訳後修飾	The N-terminus is blocked.
細胞内局在	Cytoplasm. Cell surface. Present at the cell surface of neuron cells. The membrane-associated isoform is approximately 5 kDa larger than the known cytosolic isoform.

画像



Western blot - Anti-Insulin degrading enzyme / IDE antibody [EPR6099] - BSA and Azide free (ab247897)

All lanes : Anti-Insulin degrading enzyme / IDE antibody [EPR6099] ([ab109538](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : IDE knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

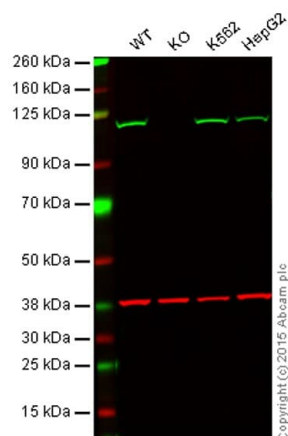
Predicted band size: 118 kDa

Observed band size: 118 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab109538](#)).

Lanes 1- 2: Merged signal (red and green). Green - [ab109538](#) observed at 118 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

[ab109538](#) was shown to react with IDE in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab261755](#) (knockout cell lysate [ab257197](#)) was used. Wild-type HeLa and IDE knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. [ab109538](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Insulin degrading enzyme / IDE antibody [EPR6099] - BSA and Azide free (ab247897)

All lanes : Anti-Insulin degrading enzyme / IDE antibody [EPR6099] ([ab109538](#)) at 1/2000 dilution

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : IDE knockout HAP1 cell lysate,

Lane 3 : K562 cell lysate

Lane 4 : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 118 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab109538](#)).

Lanes 1 - 4: Merged signal (red and green). Green - [ab109538](#) observed at 118 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab109538](#) was shown to specifically react with IDE in wild-type HAP1 cells. No band was observed when IDE knockout samples were examined. Wild-type and IDE knockout samples were subjected to SDS-PAGE. [ab109538](#) and [ab8245](#) (loading control to GAPDH) were both diluted 1/2000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed [ab216776](#) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.

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-Insulin degrading enzyme / IDE antibody

[EPR6099] - BSA and Azide free (ab247897)

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

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