

Anti-FE65 antibody [EPR3538] ab91650

KO 評価済 リコンビナント RabMAb

4 References 画像数 4

製品の概要

製品名	Anti-FE65 antibody [EPR3538]
製品の詳細	Rabbit monoclonal [EPR3538] to FE65
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt or IP
種交差性	交差種: Human
免疫原	Synthetic peptide within Human FE65 aa 650 to the C-terminus. The exact sequence is proprietary. Database link: O00213
ポジティブ・コントロール	SH-SY5Y cell lysate and Human brain tissue
特記事項	<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 monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR3538
アイソタイプ	IgG

アプリケーション

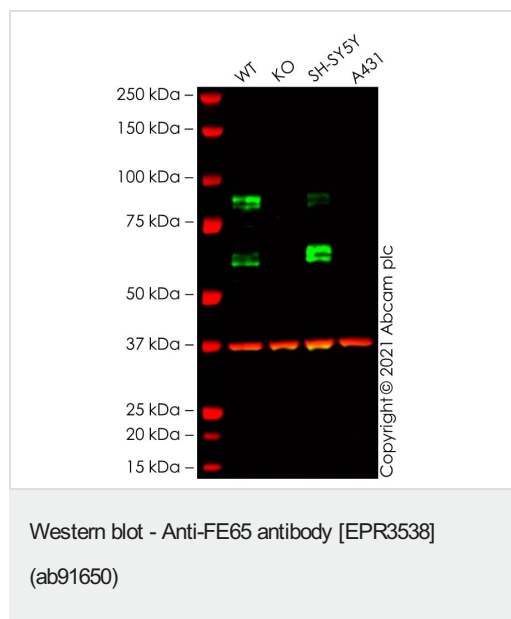
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab91650の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/5000. Predicted molecular weight: 77 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. The use of an HRP/AP polymerized antibody is recommended. We have compared both the HRP-conjugated and the polymerized HRP and found stronger signals can be obtained with the polymerized antibody.

追加情報 Is unsuitable for Flow Cyt or IP.

ターゲット情報

機能	Transcription coregulator that can have both coactivator and corepressor functions. Adapter protein that forms a transcriptionally active complex with the gamma-secretase-derived amyloid precursor protein (APP) intracellular domain. Plays a central role in the response to DNA damage by translocating to the nucleus and inducing apoptosis. May act by specifically recognizing and binding histone H2AX phosphorylated on 'Tyr-142' (H2AXY142ph) at double-strand breaks (DSBs), recruiting other pro-apoptosis factors such as MAPK8/JNK1. Required for histone H4 acetylation at double-strand breaks (DSBs). Its ability to specifically bind modified histones and chromatin modifying enzymes such as KAT5/TIP60, probably explains its transcription activation activity. Function in association with TSHZ3, SET and HDAC factors as a transcriptional repressor, that inhibits the expression of CASP4. Associates with chromatin in a region surrounding the CASP4 transcriptional start site(s).
組織特異性	Highly expressed in brain; strongly reduced in post-mortem elderly subjects with Alzheimer disease.
配列類似性	Contains 2 PID domains. Contains 1 WW domain.
翻訳後修飾	Phosphorylated following nuclear translocation. Phosphorylation at Tyr-546 enhances the transcription activation activity and reduces the affinity with RASD1/DEXRAS1.
細胞内局在	Cell membrane. Cytoplasm. Nucleus. Cell projection > growth cone. Colocalizes with TSHZ3 in axonal growth cone (By similarity). In normal conditions, it mainly localizes to the cytoplasm, while a small fraction is tethered to the cell membrane via its interaction with APP. Following exposure to DNA damaging agents, it is released from cell membrane and translocates to the nucleus. Nuclear translocation is under the regulation of APP. Colocalizes with TSHZ3 in the nucleus.



All lanes : Anti-FE65 antibody [EPR3538] (ab91650) at 1/2000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : APBB1 knockout HEK-293T cell lysate

Lane 3 : SH-SY5Y cell lysate

Lane 4 : A431 cell lysate

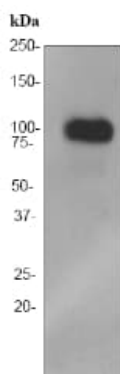
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 77 kDa

Observed band size: 65 kDa

False colour image of Western blot: Anti-FE65 antibody [EPR3538] staining at 1/2000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab91650 was shown to bind specifically to FE65. A band was observed at 65/85 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in APBB1 knockout cell line [ab267294](#) (knockout cell lysate [ab257833](#)). To generate this image, wild-type and APBB1 knockout HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5% milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



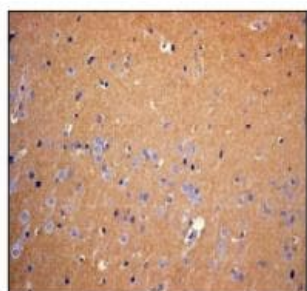
Western blot - Anti-FE65 antibody [EPR3538]
(ab91650)

Anti-FE65 antibody [EPR3538] (ab91650) at 1/2000 dilution + SH-SY5Y cell lysates at 10 µg

Secondary

HRP labelled goat anti-rabbit IgG at 1/1000 dilution

Predicted band size: 77 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FE65 antibody
[EPR3538] (ab91650)

ab91650, at 1/50 dilution, staining FE65 in formalin-fixed, paraffin-embedded Human brain tissue, by Immunohistochemistry.

Perform heat mediated antigen retrieval via the pressure cooker method 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-FE65 antibody [EPR3538] (ab91650)

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

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