

Anti-FE65 antibody ab5668

1 References [画像数 3](#)

製品の概要

製品名	Anti-FE65 antibody
製品の詳細	Rabbit polyclonal to FE65
由来種	Rabbit
特異性	This antibody does not detect endogenous levels of Fe65.
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Mouse FE65 aa 352-369. Sequence: PQEEEKLSQRNANPGIKC (Peptide available as ab5892) Run BLAST with Run BLAST with
ポジティブ・コントロール	ICC/IF: SH-SY5Y (Human neuroblastoma cell line from bone marrow). WB: U-87 MG; SH-SY5Y; NTERA-2; U-2 OS; A549; Mouse Brain; PC-12
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アプリケーション

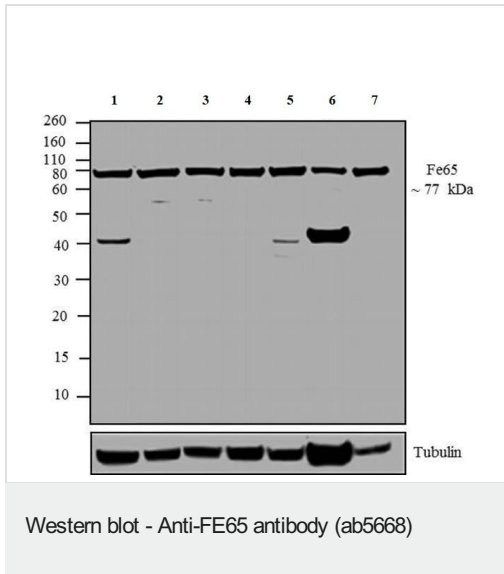
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab5668の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 2 µg/ml.
WB		Use a concentration of 0.2 µg/ml. Detects a band of approximately 97 kDa.

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.

画像



All lanes : Anti-FE65 antibody (ab5668) at 2 µg/ml

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate with blocking with 5 % skimmed milk

Lane 2 : SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate with blocking with 5 % skimmed milk

Lane 3 : NTERA-2 (Human malignant pluripotent embryonic carcinoma cell line) whole cell lysate with blocking with 5 % skimmed milk

Lane 4 : U-2 OS (Human bone osteosarcoma epithelial cell line) whole cell lysate with blocking with 5 % skimmed milk

Lane 5 : A549 (Human lung carcinoma cell line) whole cell lysate with blocking with 5 % skimmed milk

Lane 6 : Mouse Brain with blocking with 5 % skimmed milk

Lane 7 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate with blocking with 5 % skimmed milk

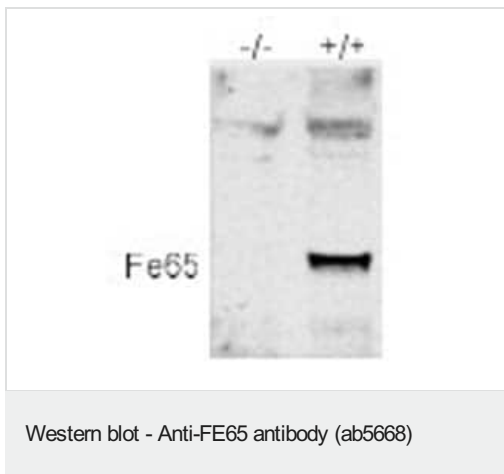
Lysates/proteins at 30 µg per lane.

Secondary

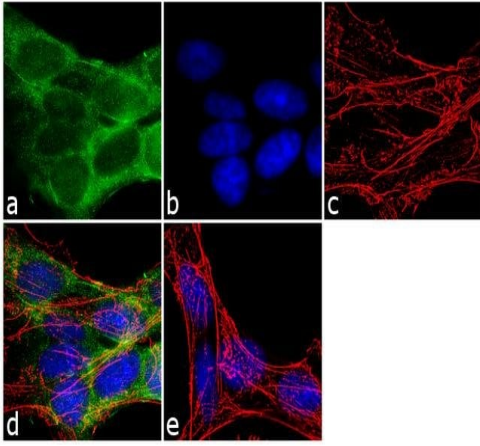
All lanes : HRP conjugated Goat anti-Rabbit IgG at 1/2500 dilution

Additional bands at: ~77 kDa. We are unsure as to the identity of these extra bands.

Detection: chemiluminescence



Western blot of Fe65-affinity pulldown materials from mouse brain lysate using ab5668. Lane 1 is an immunopurified sample from a full-length Fe65 Knockout mouse. Lane 2 is an immunopurified sample from an Fe65 wild type mouse.



Immunocytochemistry/ Immunofluorescence - Anti-
FE65 antibody (ab5668)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton™ X-100 permeabilized, 70% confluent log phase SH-SY5Y (Human neuroblastoma cell line from bone marrow) cells, blocked with 1% BSA for 1 hour at room temperature. Labelling FE65 with ab5668 at 2 µg/mL and incubated for 3 hours at room temperature and then labelled with Goat anti-Rabbit IgG secondary antibody, Alexa Fluor® 488 conjugate at a dilution of 1/2000 for 45 minutes at room temperature (Green). Nuclei were stained with SlowFade® Gold Antifade Mountant with DAPI (Blue). F-actin was stained with Alexa Fluor® 555 Rhodamine Phalloidin at a dilution of 1/300 (Red). Panel e shows the no primary antibody control. The images were captured at 60X magnification.

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