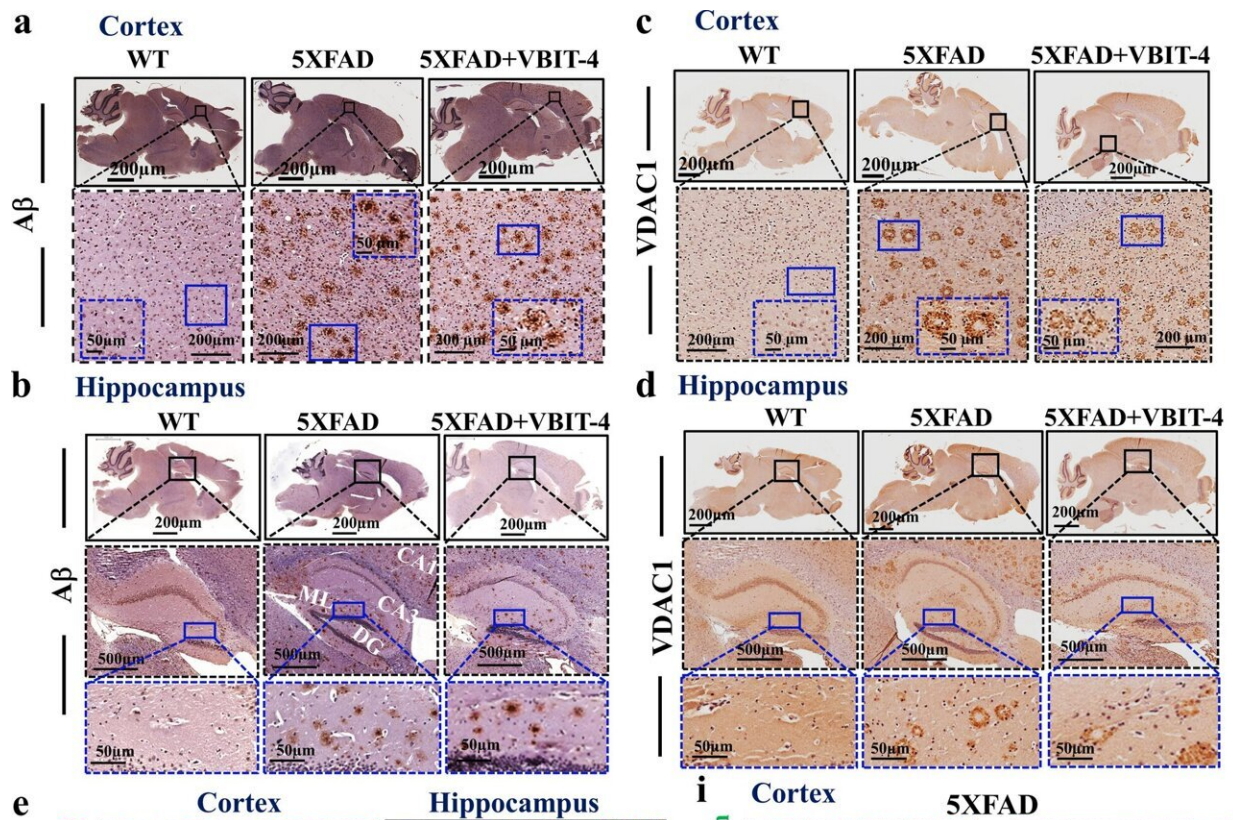


New approach for treating Alzheimer's shows success in mouse models

February 22 2023



VDAC1 is highly expressed in the neuropil surrounding the Aβ plaques of the 5 × FAD mouse model. a–d Representative cortical and hippocampal sections from WT and 5 × FAD mice treated and untreated with VBIT-4, IHC stained for Aβ (a, b) or VDAC1 (c, d). Higher magnifications of selected areas are shown within the dashed-line squares. e Confocal IF images of cortical and hippocampal sections from 5 × FAD mice co-IF-stained for Aβ and VDAC1. The over-expressed VDAC1 rings are formed around the Aβ plaques. f–h Quantitative analysis of VDAC1 expression levels in cortical sections outside the

plaques (g), (area a in f) and in the neuropil surrounding the A β plaques (h), (area b in f); in h, numbers are relative to levels outside of the plaque (a). Results show means \pm SEM (n = 3). **P

Citation: New approach for treating Alzheimer's shows success in mouse models (2023, February 22) retrieved 24 May 2024 from

<https://medicalxpress.com/news/2023-02-approach-alzheimer-success-mouse.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.