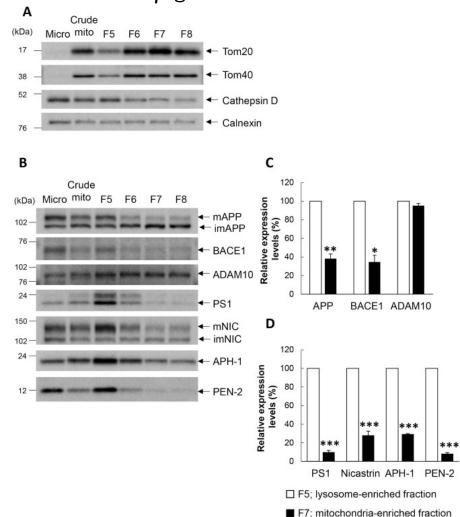
From Laboratory of Neurology

Mitochondria are devoid of amyloid β -protein (A β)-producing secretases: Evidence for unlikely occurrence within mitochodria of A β generation from

amyloid precursor protein.

Analysis of APP, BACE1, ADAM10, and ysecretase complex components in mitochondria-enriched fractions of SH-SwAPP cells. (A) The crude mitochondrial fraction was further separated via iodixanol gradient centrifugation. The main fractions (5–8) were examined via Western blot using specific antibodies for organelle markers. (B) Western blot analysis of APP, BACE1, ADAM10, and ysecretase complex components in the main fractions. (C, D) Band intensities of mitochondria-enriched (F7) and lysosomeenriched (F5) fractions were quantified, and relative levels calculated and graphed. **p < 0.01 and ***p < 0.001, compared with F5.



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