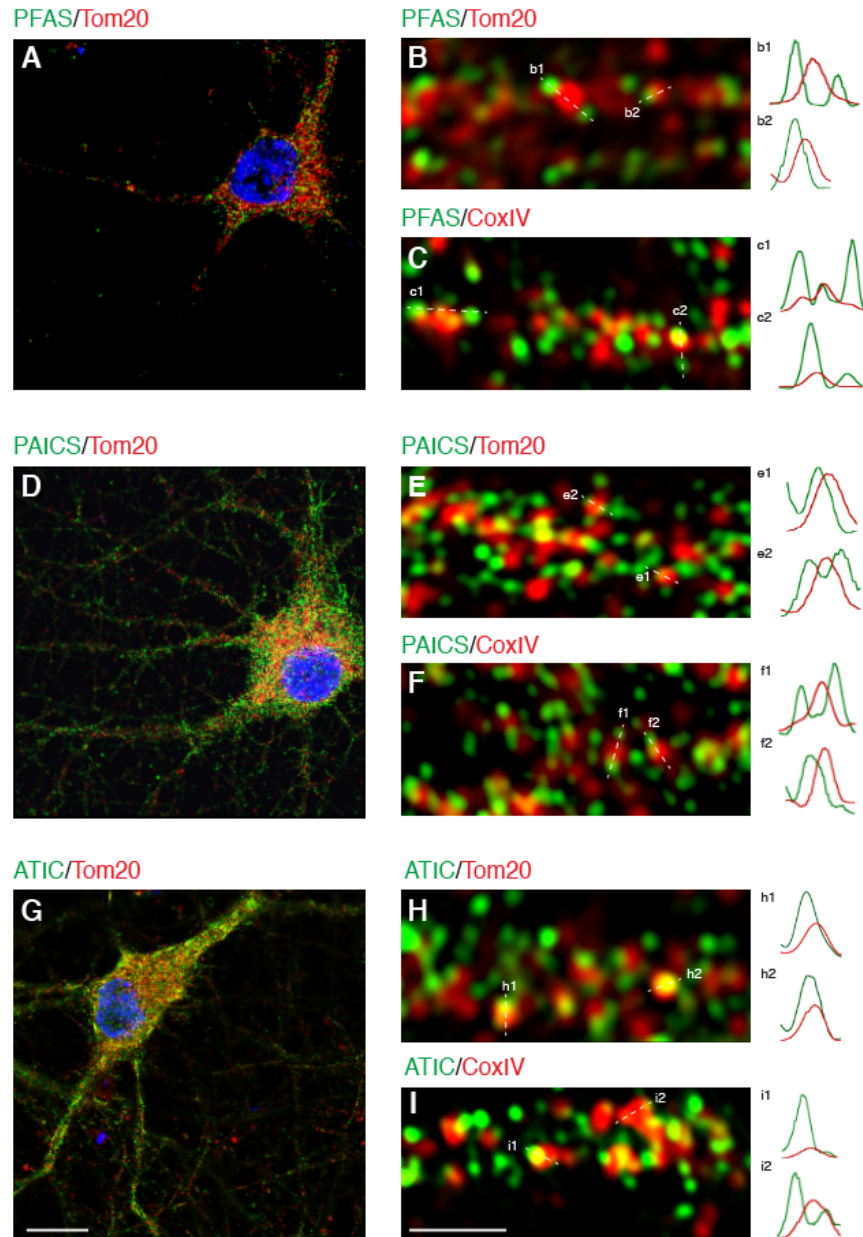


Purine Biosynthesis Enzymes in Hippocampal Neurons

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Electronical Supplementary Material

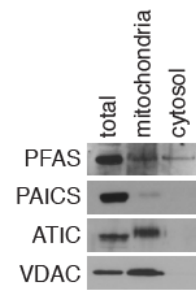


Supplementary Figure 1. Additional confocal images of cultured hippocampal neurons co-labeled with antibodies as indicated. Scale bar in G is 10 μm and applies to A,D,G. Scale bar in I is 1 μm and applies to B,C,E,F,H,I.

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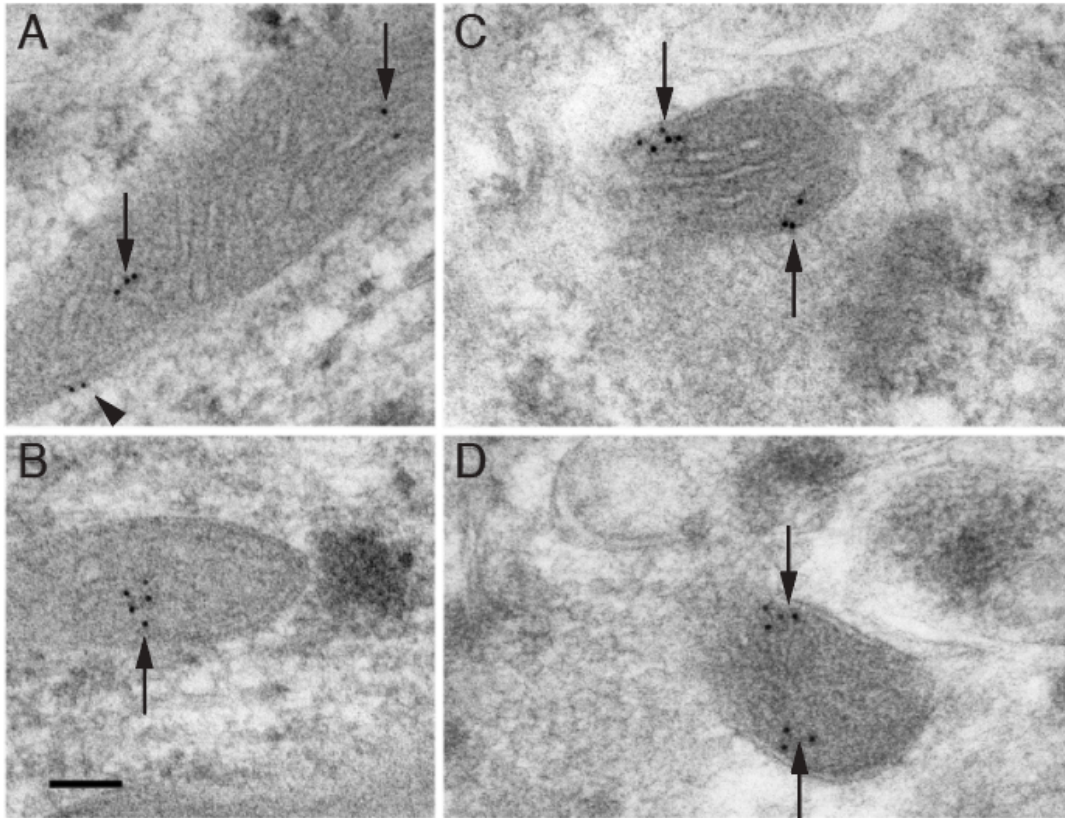


Supplementary Figure 2. Additional immunoblots showing the presence of PFAS, PAICS and ATIC in mitochondria isolated from cultured hippocampal neurons.

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Supplementary Figure 3. Additional examples of immunogold labeling for PAICS in the hippocampus. Notice PAICS immunogold particles locate either near the surface (arrowhead) or within (arrows) mitochondria. **A,B**, dendrites of hippocampal neurons of CA1; **C**, a presynaptic terminal of CA1; **D**, a mossy terminal of CA3. Scale bar in **B** is 100 nm and applies all micrographs.