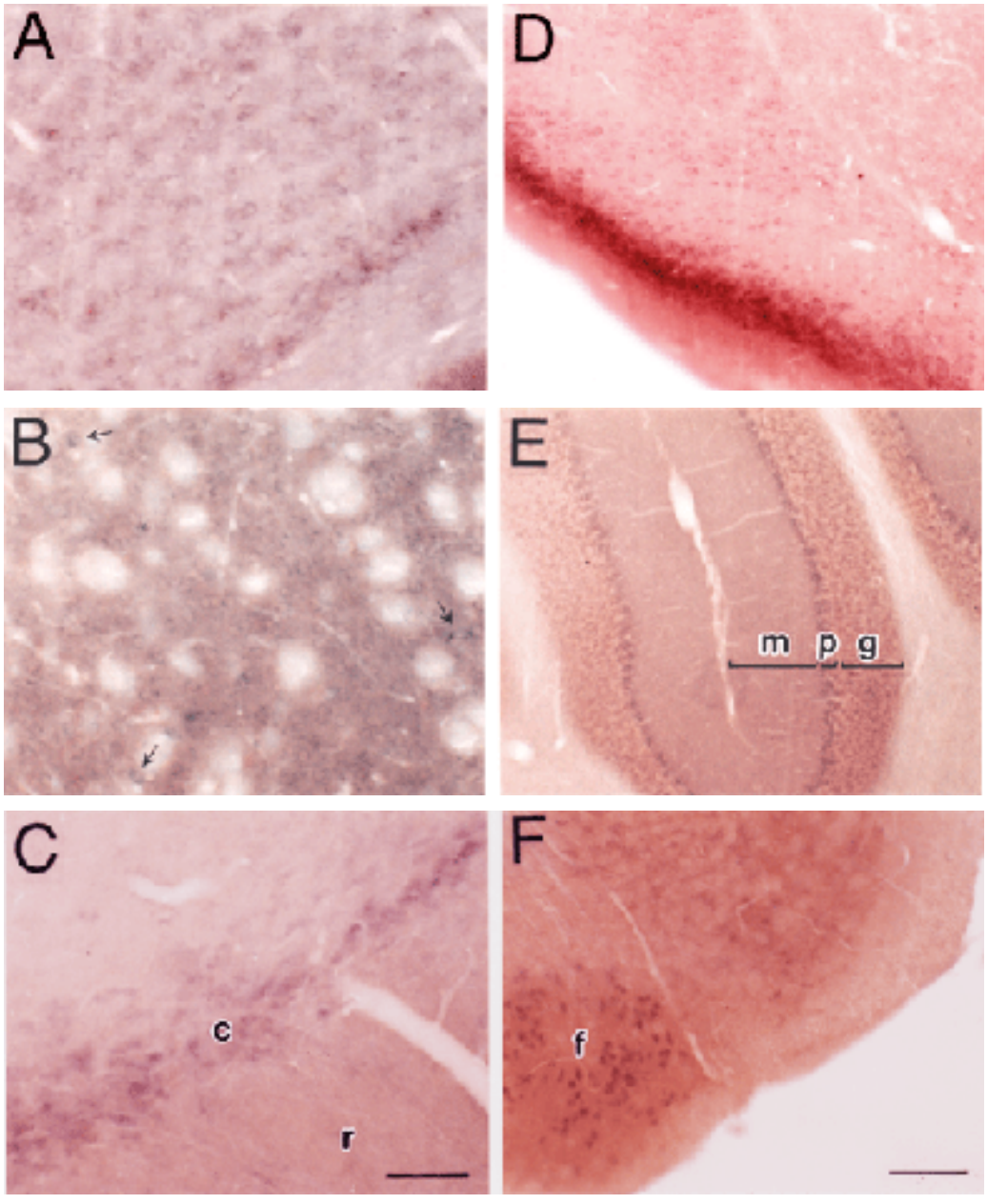

Fig. 3. Distribution of TSC2 mRNA in the sections through the cerebral cortex, striatum, substantia nigra, piriform cortex, cerebellum and medulla oblongata by in situ hybridization with digoxigenin-labeled antisense TSC2 riboprobes. **A:** High power picture of TSC2 mRNA expressing neurons in the cerebral cortex. **B:** High power picture of TSC2 mRNA expressing neurons in the striatum, which includes large interneurons (arrows) with cytoplasm highly hybridized by TSC2 signals. **C:** High power view of TSC2 signals expressing neurons in the substantia nigra. **D:** Photomicrograph of TSC2 signals expressing neurons in the coronal section of the piriform cortex. **E:** Photomicrograph of the cerebellar cortex showing a typical laminar distribution of TSC2 mRNA expressing neurons. **F:** Photomicrograph of TSC2 mRNA expressing neurons in the coronal section of the medulla oblongata at the level of the facial nucleus. **c**, substantia nigra compacta; **r**, substantia nigra reticulata; **f**, facial nucleus; **g**, granule cell layer; **p**, purkinje cell layer; **m**, molecular layer. Scale bar = 100 μm in **A**–**C**; 200 μm in **D**–**F**.