

# RNA Protection-Riboprobes for Studying Neurodegenerative Diseases.

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## Technology description

### Description

UC San Diego researchers have developed over twenty-five different human, mouse, and rat riboprobes for use in RNase protection assays for the study of neurodegeneration associated with Alzheimer's and Parkinson's disease. These products are cloned into pCRII and can be removed by EcoRI digestion. Riboprobes have been developed for protection of these genes: excitatory amino acid transporters (EAAT), amyloid precursor protein (APP), synuclein (alpha, beta and gamma), synaptophysin, microtubule-associated protein 2 (MAP2), nuclear transport (RAN, Importin) and neural specific calmodulin-binding protein (mGAP43). Control riboprobes, for monitoring actin and dehydrogenase transcripts, have also been developed.

### Institution

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