



Neurofilaments: Properties, Functions, and Regulation - Springer

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Mots-clés	Composition [4], Diseases [5], Function [6], Molecular biology [7], Neurobiology [8], Neuronal intermediate filaments [9], Neurosciences [10] Neuronal intermediate filaments are the most prominent cytoskeleton component of adult neurons in both central and peripheral nervous system. They include neurofilament triplet proteins, peripherin, α -internexin, nestin, and synemin. Although it was initially thought that neuronal intermediate filaments serve a primarily structural function, it has since been demonstrated that they constitute a dynamic network involved in neuronal differentiation, axon outgrowth, and regeneration. Finally, they emerged as a primary cause of some neurodegenerative diseases. Here, we focus on the properties, function, and regulation of neuronal intermediate filaments as well as their relationship to different neurodegenerative diseases.
Résumé en anglais	
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