

SUBCELLULAR BIOCHEMISTRY • Volume 48

The Coronin Family of Proteins

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The coronins, first described in *Dictyostelium discoideum* in 1991, have been detected in all eukaryotes except plants. They belong to the superfamily of WD40-repeat proteins and represent a large family of proteins, which are often involved in cytoskeletal functions. Phylogenetic studies clearly distinguish 12 subfamilies of which six exclusively occur in vertebrates. In the present book we have made a sincere attempt to provide a comprehensive overview on all aspects of coronin proteins including history, structure, subcellular localization and function in different organisms. In addition, we also included a general overview on the WD40 family of proteins and the structurally related Kelch family. The book should be of interest for scientists outside the field, but is more importantly intended as a fast and competent guide for newcomers as well as doctoral and postdoctoral scientists to coronin research in all its facets.

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ISBN 978-0-387-09594-3



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SCBI 48