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## CACYBP/SIP PROTEIN AND ITS ROLE IN CYTOSKELETON ORGANIZATION

### Summary

The CacyBP/SIP protein is present in different mammalian cells and tissues. Its particularly high level is observed in brain, spleen, thymus and in many cancers. CacyBP/SIP interacts with different targets including cytoskeletal proteins such as tubulin, actin, tropomyosin. This indicates that CacyBP/SIP is involved in cellular processes associated with changes in cytoskeleton organization under physiology and pathology. In the present work the characteristics of complexes formed between CacyBP/SIP and cytoskeletal proteins and the role of those interactions are presented.

Key words: CacyBP/SIP; cancers, cytoskeleton, differentiation, proliferation, neurodegeneration, target proteins