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Chromatin Immunoprecipitation

National Cancer Institute

Source

National Cancer Institute. *Chromatin Immunoprecipitation*. NCI Thesaurus. Code C106048.

A technique that utilizes immunoprecipitation to find protein-DNA interactions in a biological sample. First, the sample is treated causing the formation of protein-chromatin crosslinks. Then, the sample is sheared to separate individual protein-DNA complexes. Finally, an antibody directed against a protein of interest is applied and the protein-DNA complexes are immunoprecipitated.