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PART IV: MOLECULAR MECHANISM OF ANTIGEN RETRIEVAL TECHNIQUECHAPTER 15: STUDY OF FORMALIN FIXATION AND HEAT-INDUCED ANTIGEN RETRIEVAL; CHAPTER 16: A LINEAR EPITOPES MODEL OF ANTIGEN RETRIEVAL; CHAPTER 17: pH OR IONIC STRENGTH OF ANTIGEN RETRIEVAL SOLUTION: A POTENTIAL ROLE FOR REFOLDING DURING HEAT TREATMENT; CHAPTER 18: COMMENTARY: FUTURE DIRECTIONS; PART V: PROTEOMIC ANALYSIS OF PROTEIN EXTRACTED FROM TISSUE/CELLS; CHAPTER 19: TECHNIQUES OF PROTEIN EXTRACTION FROM FFPE TISSUE/ CELLS FOR MASS SPECTROMETRY CHAPTER 20: APPLICATION OF SHOTGUN PROTEOMICS TO FORMALIN-FIXED AND PARAFFIN-EMBEDDED TISSUESCHAPTER 21: VISUALIZING PROTEIN MAPS IN TISSUE; CHAPTER 22: SYMBIOSIS OF IMMUNOHISTOCHEMISTRY AND PROTEOMICS: MARCHING TO A NEW ERA; APPENDIX: RELATED LABORATORY PROTOCOLS; INDEX; Color plates

Sommario/riassunto

The most complete, up-to-date reference on antigen retrieval and immunohistochemistry An antigen is a substance that prompts the generation of antibodies and can cause an immune response. The antigen retrieval (AR) technique is in wide use across the globe, and is a critical technique used in medical diagnosis of disease, particularly clinical targeted cancer treatment. Antigen Retrieval Immunohistochemistry Based Research and Diagnostics discusses several scientific approaches to the standardization of quantifiable immunohistochemistry (IHC). Based on the development and app