

B.Sc. (H) Biochemistry

Paper- Advanced Cell Biology (Sem V)

IMMUNOHISTOCHEMISTRY

Immunohistochemistry (IHC) combines anatomical, immunological and biochemical techniques to image discrete components in tissues by using appropriately-labelled antibodies to bind specifically to their target antigens in situ. IHC makes it possible to visualize and document the high-resolution distribution and localization of specific cellular components within cells and within their proper histological context. While there are multiple approaches and permutations in IHC methodology, all of the steps involved are separated into two groups: sample preparation and sample staining.

Reference material:

- <https://www.thermofisher.com/in/en/home/life-science/protein-biology/protein-biology-learning-center/protein-biology-resource-library/pierce-protein-methods/overview-immunohistochemistry.html>
- <https://www.bosterbio.com/protocol-and-troubleshooting/immunohistochemistry-ihc-principle>
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3467869/>