

Immunohistochemistry

A Key to Cellular Diagnosis



What is Immunohistochemistry (IHC)?


IHC is not just a lab technique – it's a window into the biological behavior of disease.


Using antibodies that bind to specific proteins, we can visualize and identify what's happening in cells – beyond what the eye can see with classic stains.





When Cells Speak – What IHC Reveals

Why Is It Clinically Essential?

 Real-life cases where IHC makes a difference:

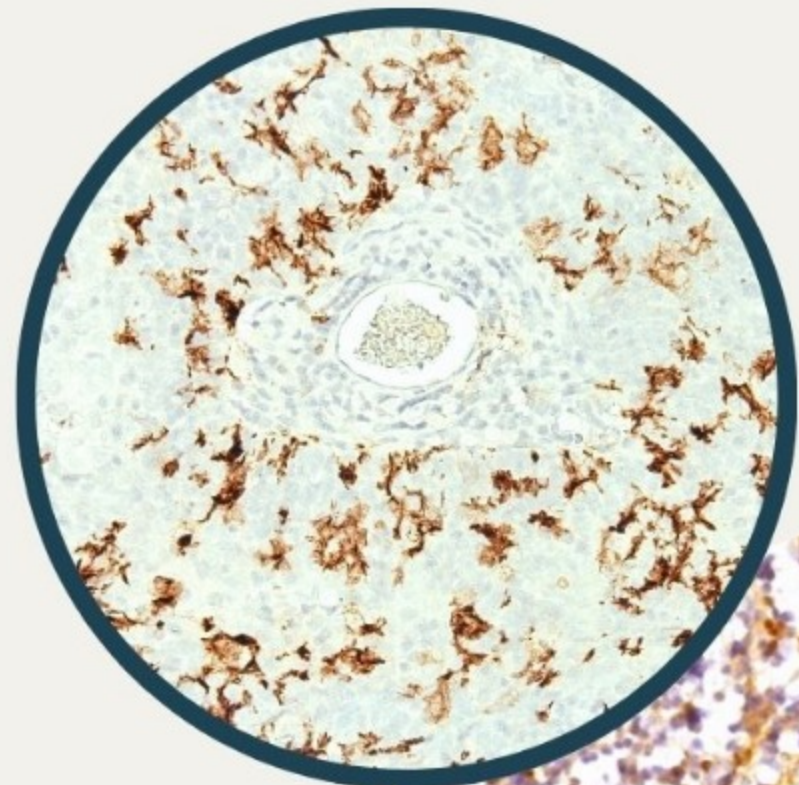
 A breast tumor? IHC shows if it's HER2+ → patient receives personalized treatment.

 A brain mass? IHC distinguishes between glioblastoma and lymphoma.


 A lung biopsy? IHC helps choose the right chemotherapy.


IHC helps answer:


- What type of tumor is it?
- How aggressive is it?
- What treatment fits best?




Why YOU Should Get Involved

 Work alongside pathologists and clinicians

 Access tissue samples, staining protocols, and case studies

 Join student-led research projects

 See how histology and clinical oncology connect in real life

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