

ANTIBODIES & SUPPORT PRODUCTS FOR IMMUNOHISTOCHEMISTRY

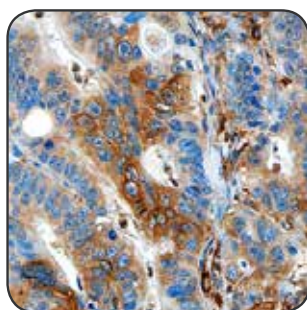


Immunohistochemistry (IHC) provides a semi-quantitative method for the integration of tissue-based analysis with proteomic data. Novus Biologicals guarantees the quality of our 45,000 IHC validated antibodies. Purchasing our antibodies for your IHC experiment comes with no risk and gives you instant access to our technical team and scientific resources. We will help you generate clean, reproducible results you can trust.

PRIMARY ANTIBODIES

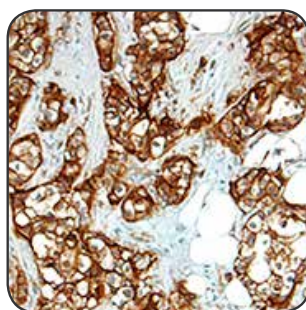
Novus offers over 45,000 IHC validated antibodies and a range of support options when you purchase your antibody, including protocols, troubleshooting guides, and an expert IHC technical team. Our Novus Quality Guarantee allows you to test any IHC-validated antibody on your samples with no risk.

PD-L1 Antibody (130021)



Reactivity: Hu
Application: IHC, Flow
Cat# MAB1561

ErbB2/Her2 Antibody



Reactivity: Hu
Application: WB, Flow, IHC
Cat# AF1129

Benefits

- **Peer-reviewed validation.** Over 5,000 peer-reviewed publications referencing our antibodies in IHC.
- **No risk testing.** Every product we sell is guaranteed to work in the listed applications and species. If not, we will provide technical support, a replacement, or a 100% refund. It's the Novus Quality Guarantee.
- **Scientific support.** Novus offers protocols, troubleshooting guides, and scientific technical support to assist your IHC experiment.

CONTROL SLIDES

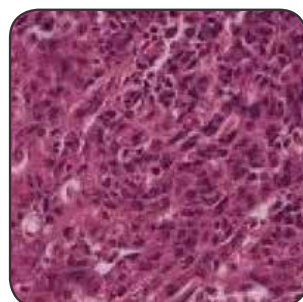
Novus Biologicals offers easy access to over 250 formalin-fixed paraffin-embedded (FFPE) tissue sections of healthy and diseased organs for rapid identification of protein cellular localization. In addition, these slides can be used as controls for antibody validation.

Human Colon Tissue Slide (Normal)



Application: IHC
Cat# NBP2-30177

Human Lung Tissue Slide (Squamous Cell Carcinoma)



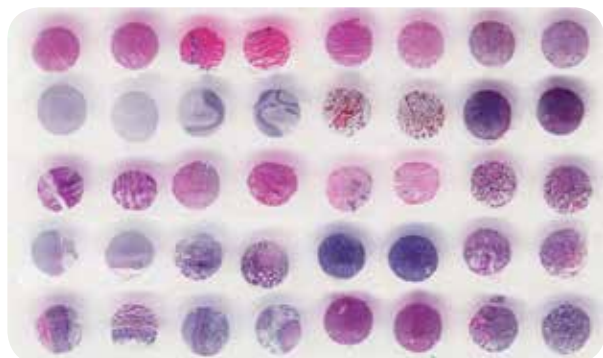
Application: IHC
Cat# NBP2-30284

Benefits

- **Access to scarce tissue sections.** Over 250 FFPE sections from various normal and diseased organs.
- **Both normal and diseased tissue available.** Test differential target expression in disease state.
- **Experimental controls.** Can function as control slides to provide confidence in your IHC experiment.

TISSUE MICROARRAYS

Tissue Microarray (TMA) refers to the innovative practice of relocating multiple tissue sections from conventional histologic paraffin blocks so that tissues from multiple samples can be observed on the same slide. These arrays provide a high-throughput histology solution, allowing simultaneous analysis of protein expression in multiple FFPE tissues.

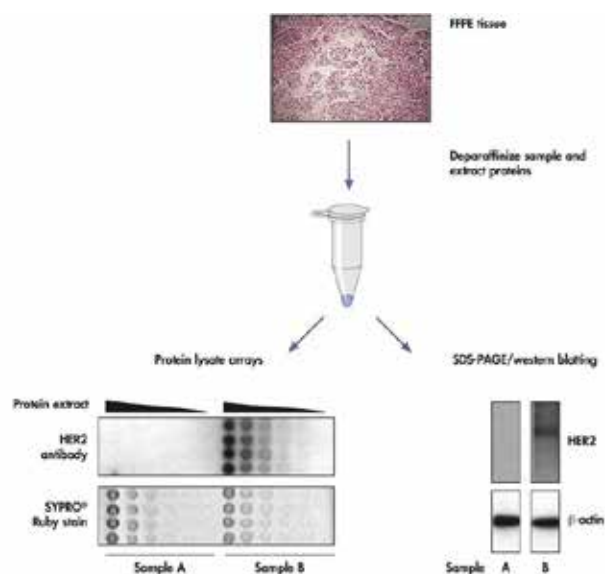


Benefits

- **High-throughput, multiplexed format.** Analyze up to 75 tissue samples at one time.
- **Experimental uniformity.** Each tissue core undergoes same experimental conditions.
- **Access to scarce tissue sections.** Both normal and diseased tissue available to test differential target expression in disease state.
- **Compatibility with automated staining system.** Save time by using high-throughput autostainers.

FFPE TISSUE EXTRACTION KIT

The FFPE Tissue Extraction Kit from Novus Biologicals is designed to isolate protein from formalin-fixed, paraffin-embedded tissue sections. Proteins extracted using this kit are suitable for western blot or reverse-phase arrays.



Benefits

- **Compare histological samples at the protein level.** Generate IHC and WB data on the same sample.
- **Save unusable tissue sections.** Extract protein from older FFPE blocks or formalin over-fixed tissue.
- **Optimized protocol.** Easy to follow protocol eliminates extra steps, minimizes hands-on time, and reduces risk of experimental errors.

FFPE Tissue Extraction Kit [NBP2-37854] - Protein extraction enables comparison of histological samples on the protein level. Two breast cancer biopsy samples, both scored 2+ for the receptor tyrosine kinase HER2 by immunohistochemistry, were processed using the FFPE Extraction Tissue Kit and analyzed by protein lysate array and western blotting. In sample B, HER2 gene amplification was confirmed by FISH (data not shown). The housekeeping gene beta-actin was analyzed as a control.

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