Anti-Hu Podoplanin(AKYP0007)-BX121 for PhenoCode Discovery

ANTIBODY CATALOG # 240203

Kit Catalog Numbers

Included as a component in antibody kits:
PhenoCode™ Discovery Tissue Architecture Human Protein Module
4250094: Anti-Hu Podoplanin(AKYP0007)-BX121—Atto 550

Quantity

Up to 25 tests

Target & Clone Information

Synonym/s	T1a, T1a2, gp36, gp38, gp40, PDPN, D2-40
Cell Type Expression	Connective tissue cells - ECM organization (mainly)
Expected Localization	Membrane
Supplier-Verified Reactivity	Human
Supplier-Reported Reactivity	N/A
Host Species/Isotype	Rat IgG2a
Clonality	Monoclonal

PhenoCycler Workflow

RECOMMENDED STARTING TITRATIONS AND EXPOSURE TIMES

Tissue Type	Sample Type	Reporter Dye	Recommended Titration	Recommended Exposure Time* (ms)
Hu FFPE	Tonsil	Atto 550	1:200	100
Hu FFPE	Lung cancer	Atto 550	1:200	100
Hu FF**	Tonsil	Atto 550	1:500	—

*Recommendation is for PhenoCycler®-Fusion only.

**No recommended exposure time available for this tissue type.

Antigen retrieval conditions: AR9 (Akoya, Part# AR900250ML)

Notes: N/A

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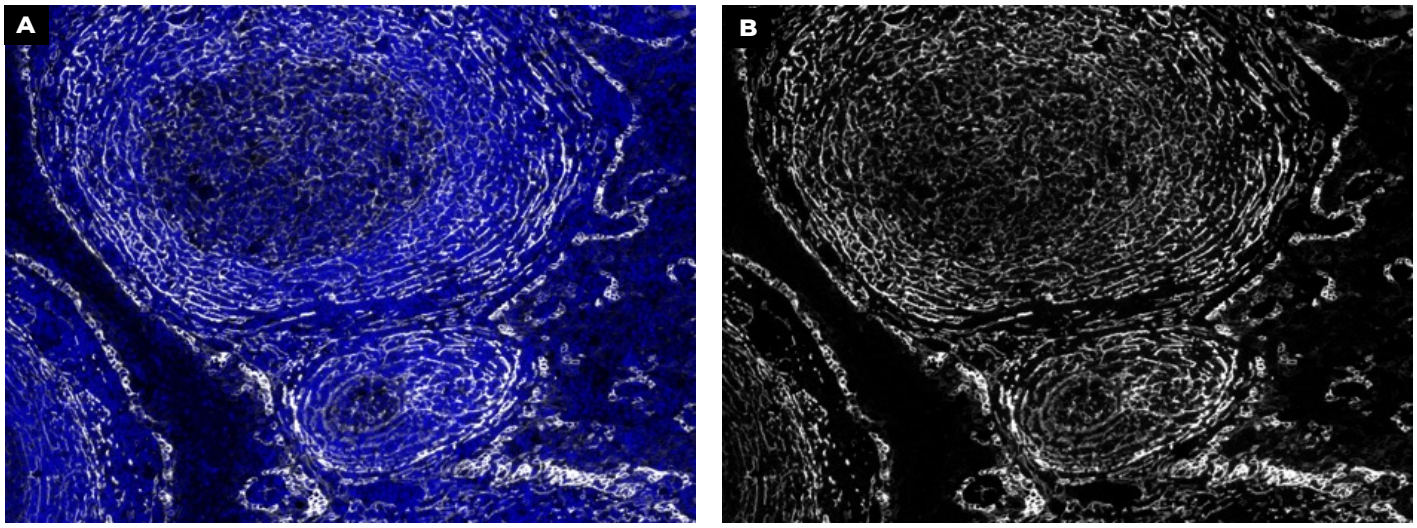

Figure 1. Human FFPE tonsil section stained with Podoplanin PhenoCode Antibody and nuclear stain. An FFPE tonsil tissue section was stained with PhenoCode antibody Anti-Hu Podoplanin(AKYP0007)-BX121 (detected using Atto 550 reporter). Imaging performed using a 20X objective using the PhenoCycler-Fusion system. Representative imaging regions showing Podoplanin (white) and nuclear stain (blue). Antigen retrieval was performed using AR9 (Akoya, Part# AR900250ML). Podoplanin was diluted 1:200. **A.** Zoomed in region showing Podoplanin (white) and nuclear stain (blue). **B.** Zoomed in region showing Podoplanin (white) only.

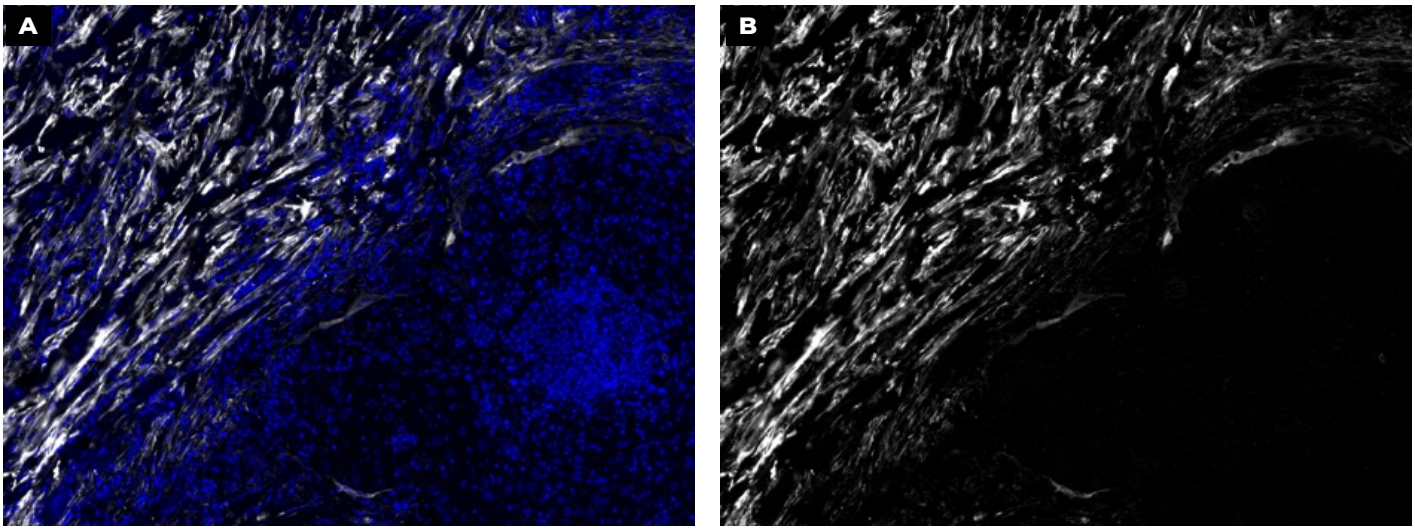

Figure 2. Human FFPE lung cancer section stained with Podoplanin PhenoCode Antibody and nuclear stain. An FFPE lung cancer tissue section was stained with PhenoCode antibody Anti-Hu Podoplanin(AKYP0007)-BX121 (detected using Atto 550 reporter). Imaging performed using a 20X objective using the PhenoCycler-Fusion system. Representative imaging regions showing Podoplanin (white) and nuclear stain (blue). Antigen retrieval was performed using AR9 (Akoya, Part# AR900250ML). Podoplanin was diluted 1:200. **A.** Zoomed in region showing Podoplanin (white) and nuclear stain (blue). **B.** Zoomed in region showing Podoplanin (white) only.

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