



## Anti-Hu Granzyme B (AKYP0086)-BX041 PhenoCode Signature

CATALOG # S6501009

### Components

240074 Anti-Hu Granzyme B (AKYP0086)-BX041  
PCSD041 HRP-HX041 PhenoCode™ Signature Detector

### Quantity

Up to 20 Slides

### Storage & Stability

Component #	Component Name	Storage Temp	Storage Notes	Stability
240074	Anti-Hu Granzyme B (AKYP0086)-BX041	4°C	Do Not Freeze	Refer to expiration date on antibody tube label
PCSD041	HRP-HX041 PhenoCode Signature Detector	-20°C	Do Not Exceed 5 Freeze-Thaw Cycles	Refer to expiration date on HRP-HX PhenoCode Signature Detector tube label

### Target & Clone Information

Synonym(s)	CT1, CTLA-1, Cathepsin G-like 1 (CTSL1), Cytotoxic T-lymphocyte proteinase 2 (Lymphocyte protease), Fragmentin-2
Cell Type Expression	Cytotoxic T lymphocytes, NK cells, Dendritic cells, Basophils, Mast cells, Smooth muscle cells
Expected Localization	Cytoplasmic granules, Cytoplasm
Reactivity	Human, Mouse
Host Species/Isotype	Rabbit IgG
Clonality	Monoclonal

### PhenoCode Signature Workflow

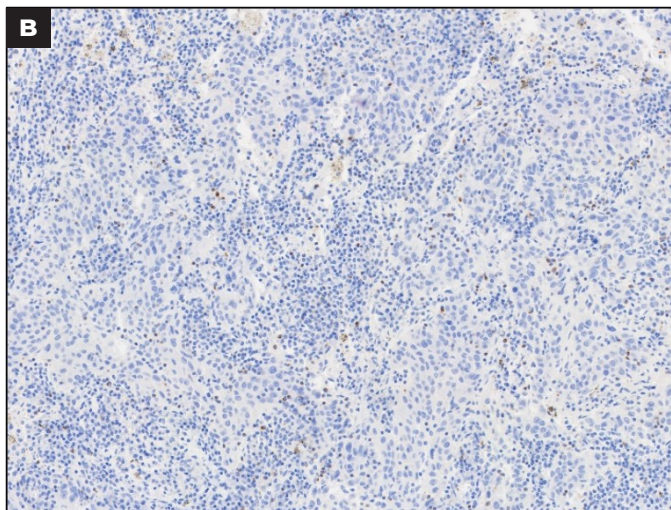
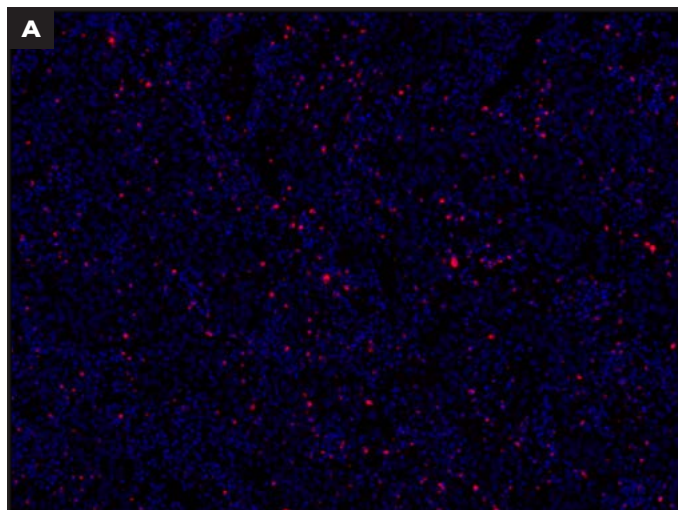
Tissue Type	Sample Types Used for Testing	Recommended Dilution
Human FFPE	Lung Cancer, Tonsil	1:200

## Anti-Hu Granzyme B (AKYP0086)-BX041 for PhenoCode Signature

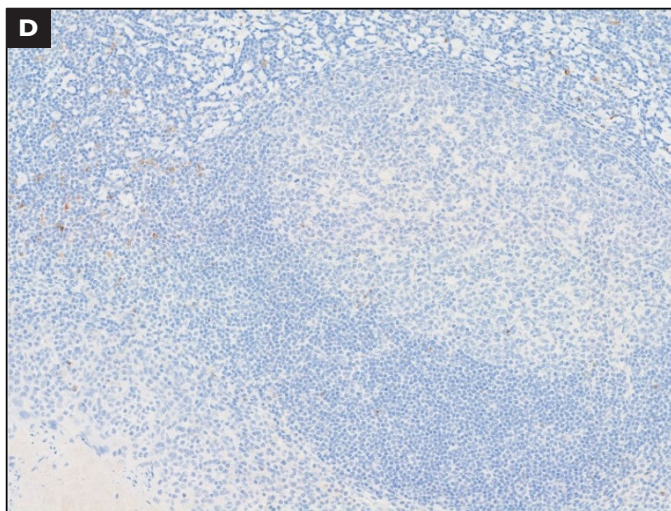
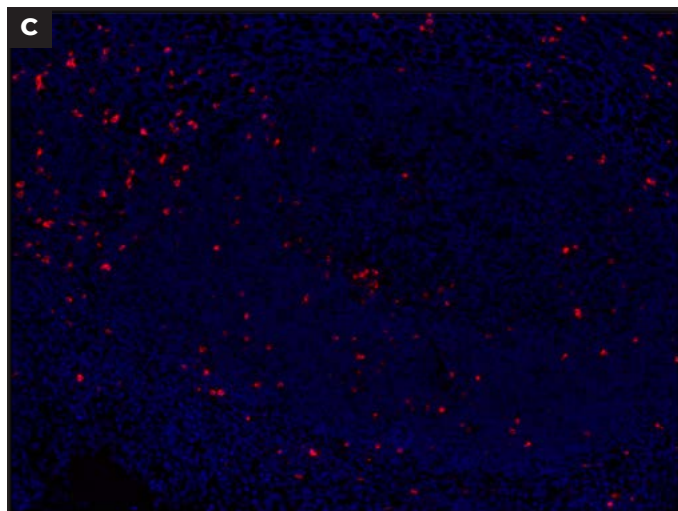
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Granzyme B can be expressed in cytoplasmic, nuclear, and membrane compartments in cytotoxic T cells as well as NK cells. The following images compare the performance of anti-Granzyme B as a barcoded primary antibody and as an unconjugated primary antibody. Comparisons are provided in human FFPE lung cancer and human FFPE tonsil tissues.

### Human FFPE Lung Cancer



### Human FFPE Tonsil



**A.** Barcoded anti-Granzyme B paired with Opal 620 was used in the PhenoCode Signature Activated TIL Status Human Protein Panel on lung cancer tissue. **B.** The image on the right shows human FFPE lung cancer tissue stained with DAB using unconjugated anti-Granzyme B antibody. Each assay was performed using the same tissue block; sections were chosen to be as close as possible. **C and D.** Identical assays were run on human tonsil tissue and images are displayed in the same manner as sections A and B.

To learn more visit [AKOYABIO.COM](https://www.akoyabio.com) or email us at [INFO@AKOYABIO.COM](mailto:INFO@AKOYABIO.COM)

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PD-000050 Rev B