



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

CATALOG # S6501009

Components				
240074S	Anti-Hu Granzyme B (AKYP0086)-BX041			
PCSD041	HRP-HX041 PhenoCode™ Signature Detector			
Quantity				
Up to 20 Slides				
Storage & Stability				
Component #	Component Description	Storage Temp	Storage Notes	Stability
240074S	Anti-Hu Granzyme B (AKYP0086)-BX041	4°C	Do Not Freeze	Refer to expiration date on antibody tube
PCSD041	HRP-HX041 PhenoCode Signature Detector	-20°C	Do Not Exceed 5 Freeze-Thaw Cycles	Refer to expiration date on PhenoCode Signature Detector tube

Target & Clone Information	
Alternative Name(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

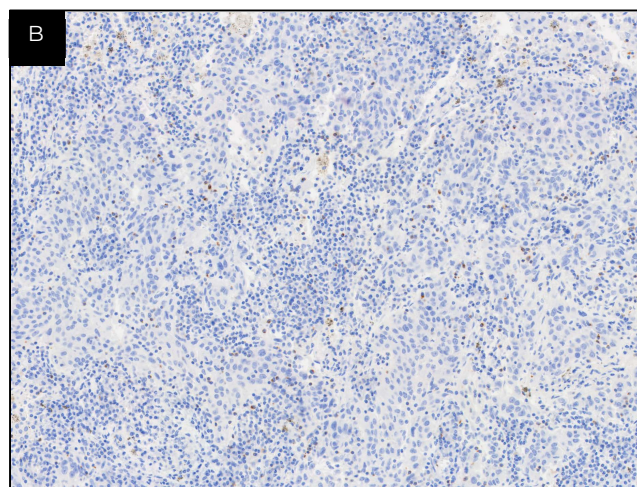
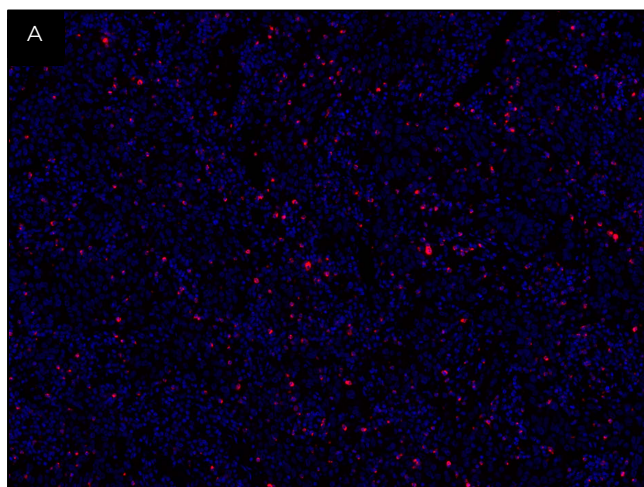
PhenoCode Signature Workflow			
Tissue Type	Sample Types Used for Testing	Recommended Starting Dilution	Opal® Dye
Human FFPE	Tonsil, Lung Cancer	1:800 – 1:1500	Opal 620

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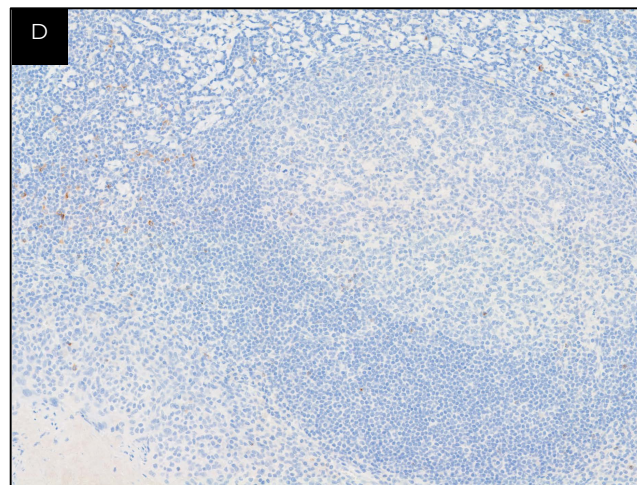
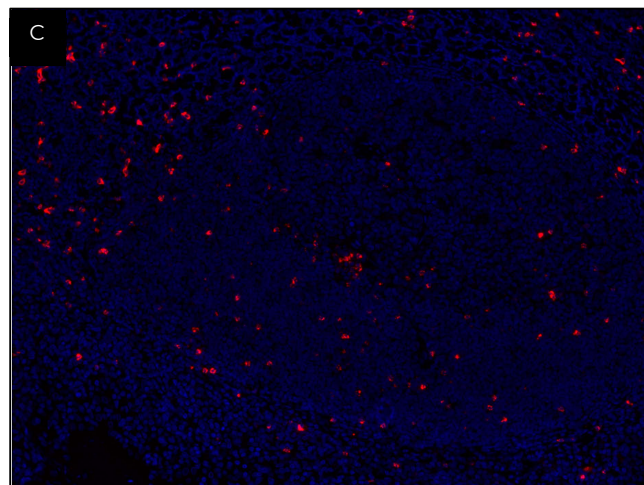
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Granzyme B can be expressed in cytoplasmic, nuclear, and membrane compartments in cytotoxic T cells as well as NK cells. The following images compare the performance of anti-Granzyme B as a barcoded primary antibody and as an unconjugated primary antibody. 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 human FFPE lung cancer tissue. **B.** The image on the right shows human FFPE lung cancer tissue stained with DAB using unconjugated anti-Granzyme B antibody. **C and D.** Identical assays were run on human tonsil tissue and images are displayed in the same manner as sections A and B.

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