

# IHCeasy<sup>®</sup> B3GNT7 Ready-To-Use IHC Kit

Catalog Number: **KHC3299**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Rabbit Polyclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

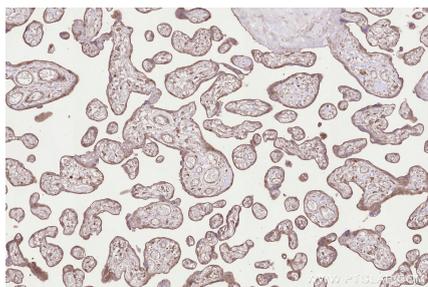
## Background

B3GNT7, the glycosyltransferase gene that was most significantly upregulated by IL-22 treatment, encodes an N-acetylglucosaminyltransferase involved in the biosynthesis of polyLacNAc repeats of keratan sulfate. B3GNT7 was initially identified in 2002 and is notable for high expression in healthy intestinal epithelial cells. Overexpressed B3GNT7 were correlated with poor prognosis in breast cancer patients based on public datasets. B3GNT7 was shown to be a potential biomarker for unfavorable outcomes and therapeutic target of breast cancer.

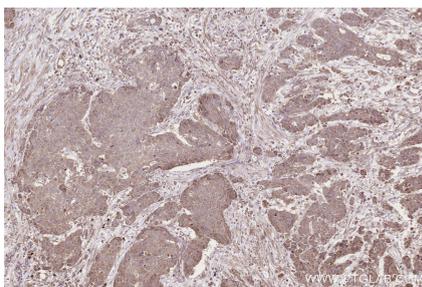
## Synonyms

Beta 1,3 Gn T7, Beta-1,3-Gn-T7, Beta-1,3-N-acetylglucosaminyltransferase 7, beta3GnT7, Beta3Gn-T7

## Selected Validation Data



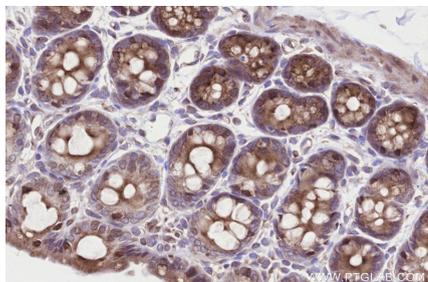
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3299 (B3GNT7 IHC Kit).



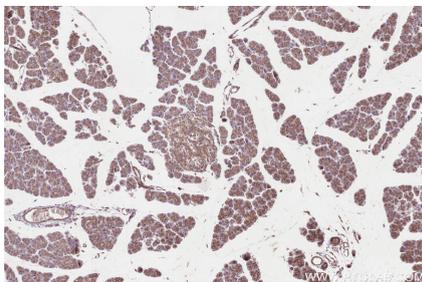
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC3299 (B3GNT7 IHC Kit).



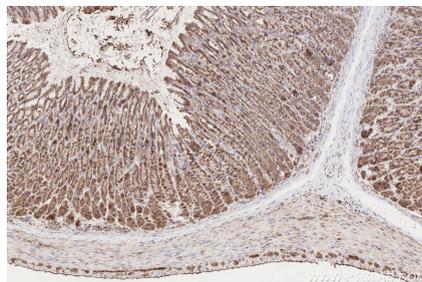
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC3299 (B3GNT7 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC3299 (B3GNT7 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using KHC3299 (B3GNT7 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC3299 (B3GNT7 IHC Kit).