

# IHC*easy* OGT Ready-To-Use IHC Kit

Catalog Number: **KHC1442**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Mouse Monoclonal

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

## 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

O-linked N-acetylglucosamine transferase (OGT) catalyzes the attachment of N-acetylglucosamine (GlcNAc) monosaccharides to the hydroxyl group of serine or threonine residues of numerous nuclear and cytoplasmic proteins and may play important roles in a large number of diverse intracellular processes ranging from translational control, transcription, transcriptional repression, INS resistance and regulation of the cell cycle. Recent studies have shown that O-GlcNAcylation plays essential roles in cancer formation and progression. O-GlcNAcylation as well as OGT expression was found to be significantly elevated in the cancer tissues.

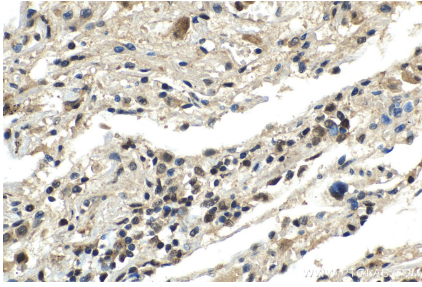
## Synonyms

FLJ23071, HRNT1, O GLCNAC, OGT

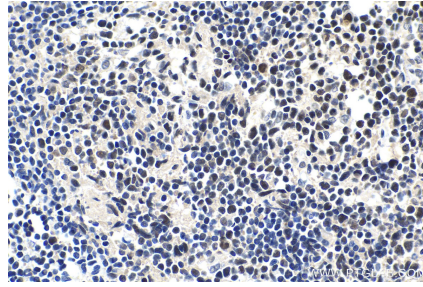
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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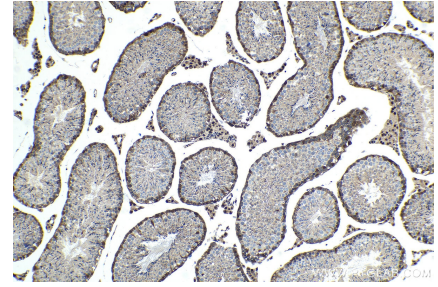
## Selected Validation Data



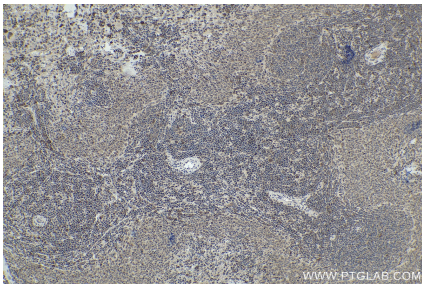
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using KHC1442 (OGT IHC Kit).



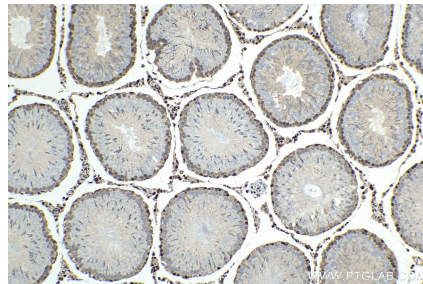
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1442 (OGT IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1442 (OGT IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using KHC1442 (OGT IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1442 (OGT IHC Kit).