

For Research Use Only

OGT Recombinant antibody, PBS Only



Catalog Number: 83113-1-PBS

Basic Information

Catalog Number: 83113-1-PBS	GenBank Accession Number: BC014434	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 8473	CloneNo.: 230385D11
Source: Rabbit	UNIPROT ID: O15294	
Isotype: IgG	Full Name: O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	
Immunogen Catalog Number: AG2160	Calculated MW: 1046 aa, 117 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, IF, FC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

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. It exists as a heterotrimeric complex with two 110 kDa and one 70 kDa subunits. 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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

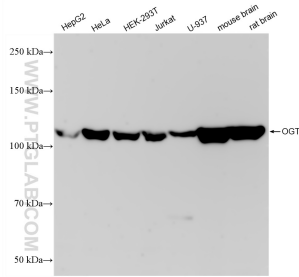
T: 4006900926

E: Proteintech-CN@ptglab.com

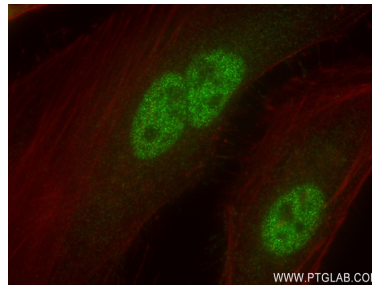
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

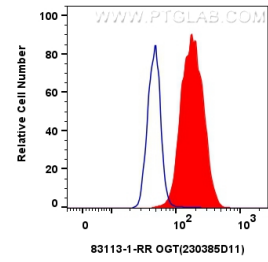
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83113-1-RR (OGT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83113-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OGT antibody (83113-1-RR, Clone: 230385D11) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83113-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug OGT Recombinant antibody (83113-1-RR, Clone:230385D11)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83113-1-PBS in a different storage buffer formulation.