

For Research Use Only

CoraLite® Plus 488-conjugated OGT Monoclonal antibody

Catalog Number: CL488-66823

Featured Product



Basic Information

Catalog Number:

CL488-66823

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28402

GenBank Accession Number:

BC014434

GeneID (NCBI):

8473

UNIPROT ID:

O15294

Full Name:

O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)

Calculated MW:

1046 aa, 117 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

2B2A6

Recommended Dilutions:

WB 1:1000-1:4000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : HepG2 cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

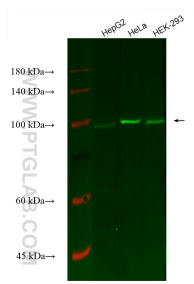
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66823 (OGT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.