USA: proteintech@ptglab.com

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OGT Polyclonal Antibody

Catalog number: 11576-2-AP

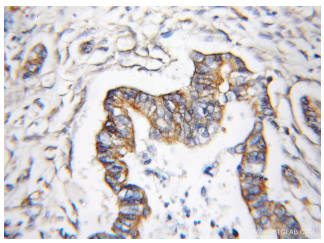
Size: 20 µg/150 µl

Source: Rabbit

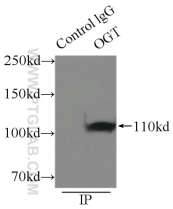
Isotype: IgG

Synonyms:

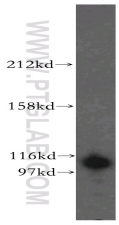
OGT; HRNT1, O GLCNAC, OGT



Immunohistochemical of paraffin-embedded human pancreas cancer using 11576-2-AP(OGT antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-OGT (IP:11576-2-AP, 3ug; Detection:11576-2-AP 1:1000) with mouse brain tissue lysate 8000ug.



human brain tissue were subjected to SDS PAGE followed by western blot with 11576-2-AP(OGT antibody) at dilution of 1:500

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, insulin 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.

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human, mouse**
Caculated OGT MW:	**1046aa,117 kDa**
Observed OGT MW:	**110kd**
Positive WB detected in	**Human brain tissue, human liver tissue, mouse brain tissue, mouse liver tissue, rat brain tissue**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human pancreas cancer tissue**
Recommended dilution:	**WB: 1:500-1:5000** **IP: 1:500-1:5000** **IHC: 1:20-1:200**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2160**
GenBank accession number:	**BC014434**
Gene ID (NCBI):	**8473**
Full name:	**O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**