

Rabbit OGT Polyclonal Antibody | anti-OGT antibody

OGT Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36962	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

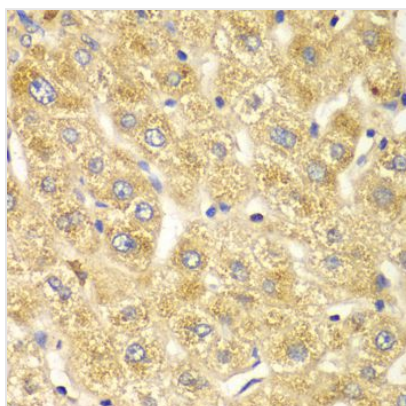
PRODUCT SYNONYMS

OGT; Polyclonal Antibody; OGT Polyclonal Antibody; anti-OGT antibody

PRODUCT SPECIFICATIONS

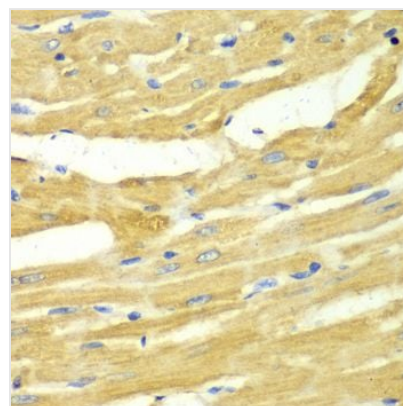
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	1046
Applicable Applications for anti-OGT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human OGT
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze / thaw cycles.

IMAGES



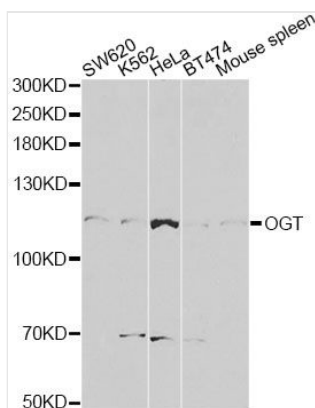
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using OGT antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using OGT antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using OGT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-OGT antibody	O-GlcNAcylation is a posttranslational modification where beta-D-N-acetylglucosamine (GlcNAc) is covalently linked to cytoplasmic and nuclear proteins at serine or threonine residues (1,2). This modification is important in many cellular processes including metabolism, cell growth and morphogenesis, apoptosis, and transcription (2,3), and research studies have implicated this modification in cancer (1). The reversible protein modification by O-GlcNAc, which has been suggested to be a nutrient and stress sensor, is catalyzed by two highly conserved enzymes, O-GlcNAc transferase (OGT) and O-GlcNAcase (OGA) (4).
References	1. Comer, F.I. et al. (2001) Anal Biochem 293, 169-77. 2. Slawson, C. and Hart, G.W. (2011) Nat Rev Cancer 11, 678-84. 3. Capotosti, F. et al. (2011) Cell 144, 376-88. 4. Hart, G.W. et al. (2007) Nature 446, 1017-22.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307148
NCBI GeneID	8473
NCBI Accession #	NP_858058.1
NCBI GenBank Nucleotide #	NM_181672.2
UniProt Accession #	O15294 ; Q7Z3K0 ; Q8WWW8 ; Q96CC1 ; Q9UG57
Molecular Weight	117kDa
NCBI Official Full Name	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit isoform 1
NCBI Official Synonym Full Names	O-linked N-acetylglucosamine (GlcNAc) transferase
NCBI Official Symbol	OGT
NCBI Official Synonym Symbols	HRNT1; O-GLCNAC
NCBI Protein Information	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit; O-GlcNAc transferase p110 subunit; O-GlcNAc transferase subunit p110; O-linked N-acetylglucosamine transferase 110 kDa subunit; UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase; uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosaminyl transferase; O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)
UniProt Protein Name	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit
UniProt Gene Name	OGT
UniProt Synonym Gene Names	OGT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ogt-antibody-immunohistochemistry-western-blot-elisa/36962>