

OGT Polyclonal Antibody | anti-OGT antibody

Anti-OGT Antibody

CATALOG # AAA46481	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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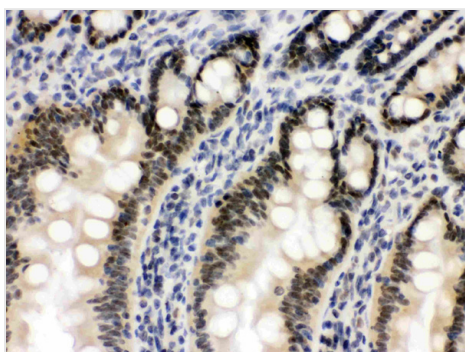
PRODUCT SYNONYMS

OGT; Polyclonal Antibody; Anti-OGT Antibody; UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit; FLJ23071; GlcNAc transferase; HRNT1; MGC22921; O GlcNAc; O GlcNAc transferase p110 subunit; O GlcNAc transferase subunit p110; O linked N acetylglucosamine (GlcNAc) transferase (UDP N acetylglucosamine: polypeptide N acetylglucosaminyl transferase); O linked N acetylglucosamine (GlcNAc) transferase; O linked N acetylglucosamine transferase 110 kDa subunit; O-GlcNAc transferase subunit p110; O-linked N-acetylglucosamine transferase 110 kDa subunit; ogt; OGT1_HUMAN; UDP N acetylglucosamine peptide N acetylglucosaminyltransferase 110 kDa subunit; UDP N acetylglucosamine peptide N acetylglucosaminyltransferase GlcNAc transferase; UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase; Uridinediphospho N acetylglucosamine:polypeptide beta N acetylglucosaminyl transferase; O-linked N-acetylglucosamine (GlcNAc) transferase; anti-OGT antibody

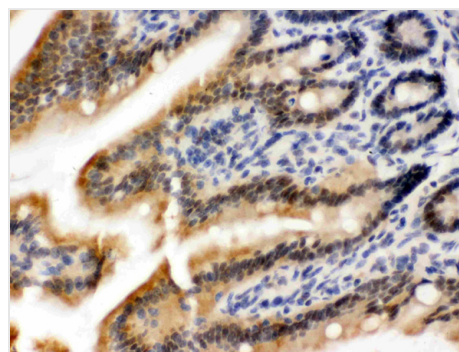
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1046
Applicable Applications for anti-OGT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human OGT (1008-1046aa NTKQYTMELERLYLQMWEHYAAGNKPDMIKPVEVTESA), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

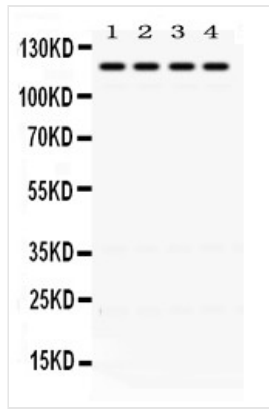
IMAGES



IHC (Immunohistochemistry)
Anti- OGT Picoband antibody, AAA46481,IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- OGT Picoband antibody, AAA46481,IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
 Anti- OGT Picoband antibody, AAA46481, Western blottingAll lanes: Anti OGT (AAA46481) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 4: A549 Whole Cell Lysate at 40ugPredicted bind size: 117KDObserved bind size: 117KD

ADDITIONAL INFORMATION

Related Product Information for anti-OGT antibody	Description: Rabbit IgG polyclonal antibody for UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit(OGT) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: O-linked N-acetylglucosamine (O-GlcNAc) transferase (OGT) is an enzyme that in humans is encoded by the OGT gene. This gene encodes a glycosyltransferase that catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
References	1. "Entrez Gene: OGT O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine: polypeptide-N -acetylglucosaminyl transferase)". 2. Lubas WA, Frank DW, Krause M, Hanover JA (Apr 1997). "O-Linked GlcNAc transferase is a conserved nucleocytoplasmic protein containing tetratricopeptide repeats". The Journal of Biological Chemistry 272(14): 9316-24. 3. Yang X, Ongusaha PP, Miles PD, Havstad JC, Zhang F, So WV, Kudlow JE, Michell RH, Olefsky JM, Field SJ, Evans RM (Feb 2008). "Phosphoinositide signalling links O-GlcNAc transferase to insulin resistance". Nature 451 (7181): 964-9.

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; Q8WWM8; Q96CC1; Q9UG57
Molecular Weight	74,536 Da
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; HINCUT-1; O-GLCNAC
NCBI Protein Information	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit
UniProt Protein Name	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit

UniProt Gene Name	OGT
UniProt Synonym Gene Names	OGT
UniProt Entry Name	OGT1_HUMAN

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://stage.aaabiotech.com/polyclonal/ogt-antibody-immunohistochemistry-western-blot-elisa/46481>