

Rabbit OGT Polyclonal Antibody | anti-OGT antibody

OGT Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284419	Rabbit	Human, mouse (Predicted Reactivity: Pig, Rabbit, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

OGT; Polyclonal Antibody; OGT Antibody (C-term); UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit; O-GlcNAc transferase subunit p110; O-linked N-acetylglucosamine transferase 110 kDa subunit; anti-OGT antibody

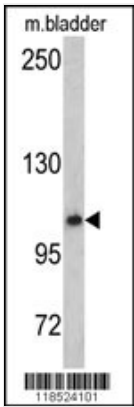
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OGT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1017-1046 amino acids from the C-terminal region of human OGT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1017-1046
Sequence Length	665
Applicable Applications for anti-OGT antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with OGT Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of OGT antibody (C-term) in mouse bladder tissue lysates (35ug/lane). OGT (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-OGT antibody	O-linked N-acetylglucosamine (O-GlcNAc) transferase (OGT) 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 nine tetratricopeptide repeats and a putative bipartite nuclear localization signal.
Product Categories/Family for anti-OGT antibody	Neuroscience; Signal Transduction
References	Roeder,R.G., Nature 459 (7245), 455-459 (2009) Taylor,R.P., J. Biol. Chem. 284 (6), 3425-3432 (2009) Slawson,C., Mol. Biol. Cell 19 (10), 4130-4140 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307148
NCBI GeneID	8473
NCBI Accession #	NP_858058.1; NP_858059.1
NCBI GenBank Nucleotide #	NM_181672.2
UniProt Accession #	O15294; Q7Z3K0; Q8WWM8; Q96CC1; Q9UG57
Molecular Weight	116925
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
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/284419>