

## 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

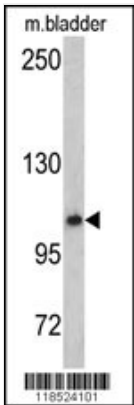
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 (Immunohiostchemistry)**  
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; <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                        | Roeder,R.G., Nature 459 (7245), 455-459 (2009)<br>Taylor,R.P., J. Biol. Chem. 284 (6), 3425-3432 (2009)<br>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; Q8WWW8; 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://stage.aaabiotech.com/polyclonal/ogt-antibody-immunohistochemistry-western-blot-elisa/284419>