

Rabbit OGT Polyclonal Antibody | anti-OGT antibody

OGT antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199979	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

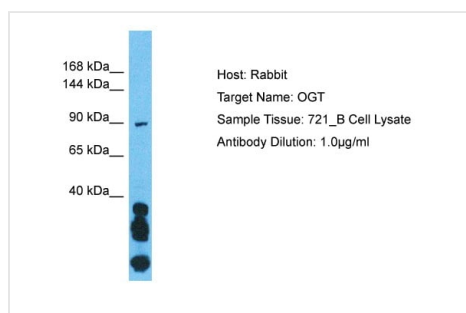
PRODUCT SYNONYMS

OGT; Polyclonal Antibody; OGT antibody - N-terminal region; anti-OGT antibody

PRODUCT SPECIFICATIONS

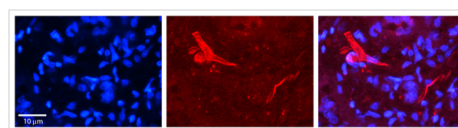
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AS SVGNVADSTE PTKRMLSFQG LAELAHREYQ AGDFEAAERH CMQLWRQE
Sequence Length	1046
Applicable Applications for anti-OGT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OGT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Host: Rabbit Target Name: OGT Sample Type: 721_B Whole Cell lysates Antibody Dilution: 1.0 µg/ml OGT is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



IHC (Immunohistochemistry)

Rabbit Anti-OGT Antibody Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue Observed Staining: Cytoplasmic in processes of pinealocytes and endothelial cells in blood vessels Primary Antibody Concentration: 1:100 Other Working Concentrations: 1/600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-OGT antibody	This is a rabbit polyclonal antibody against OGT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. 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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-OGT antibody	Polyclonal; Chromatin & Nuclear Signaling; Signal Transduction; Various; Acetylation; Glycosylation; Methylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307148
NCBI GeneID	8473
NCBI Accession #	NP_858058
NCBI GenBank Nucleotide #	NM_181672
UniProt Accession #	O15294
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	OGT1; HRNT1; MRX106; 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-western-blot-immunohistochemistry-elisa/199979>