

Rabbit OGT Polyclonal Antibody | anti-OGT antibody

OGT Antibody

CATALOG # AAA302221	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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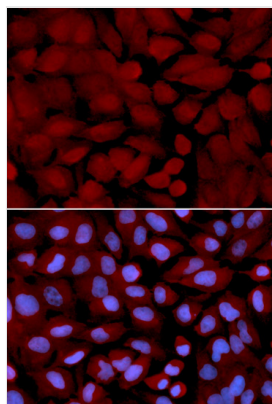
PRODUCT SYNONYMS

OGT; Polyclonal Antibody; OGT Antibody; HRNT1; O-GLCNAC; anti-OGT antibody

PRODUCT SPECIFICATIONS

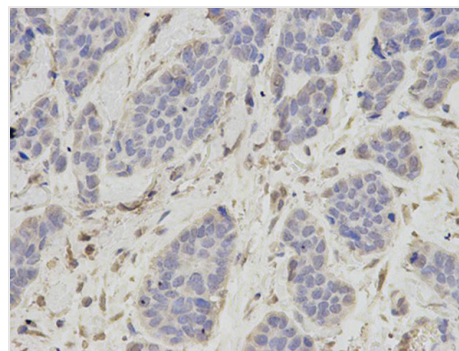
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total OGT protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1046
Applicable Applications for anti-OGT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human OGT.
Target Name	OGT
Preparation and Storage	Store at -20 degree C

IMAGES



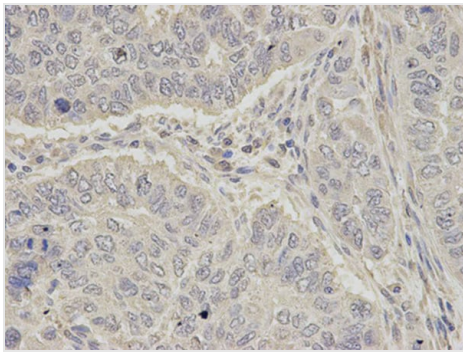
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using OGT antibody. Blue: DAPI for nuclear staining.



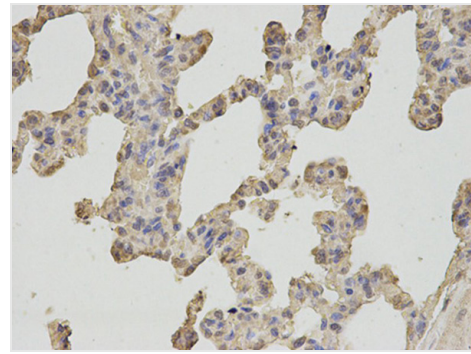
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat lung using OGT antibody at dilution of 1:100 (400x lens).



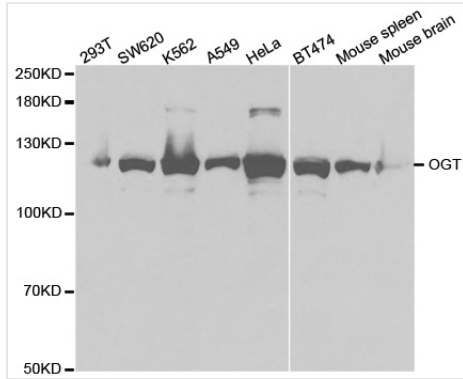
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human esophageal cancer using OGT antibody at dilution of 1:100 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast cancer using OGT antibody at dilution of 1:100 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using OGT antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OGT antibody

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.

Product Categories/Family for anti-OGT antibody

Total protein Ab

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	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-immunofluorescence-immunohistochemistry-western-blot-elisa/302221>