Datasheet for ABIN3043893

anti-OGT antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	OGT
Binding Specificity:	AA 1008-1046, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	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.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human OGT (1008-1046aa NTKQYTMELERLYLQMWEHYAAGNKPDHMIKPVEVTESA), identical to the related mouse and rat sequences.
Sequence:	NTKQYTMELE RLYLQMWEHY AAGNKPDHMI KPVEVTESA
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit(OGT) detection. Tested with WB, IHC-P in

Product Details

	Human,Mouse,Rat. Gene Name: O-linked N-acetylglucosamine (GlcNAc) transferase Protein Name: UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit
Purification:	Immunogen affinity purified.

Target Details

Target:	OGT
Alternative Name:	OGT (OGT Products)
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. Synonyms: FLJ23071 antibody|GlcNAc transferase antibody|HRNT1 antibody|MGC22921 antibody|O GlcNAc antibody|O GlcNAc transferase p110 subunit antibody|O GlcNAc transferase subunit p110 antibody|O linked N acetylglucosamine (GlcNAc) transferase (UDP N acetylglucosamine: polypeptide N acetylglucosaminyl transferase) antibody|O linked N acetylglucosamine (GlcNAc) transferase antibody|O linked N acetylglucosamine transferase 110 kDa subunit antibody|O-GlcNAc transferase subunit p110 antibody|O-linked N-acetylglucosamine transferase 110 kDa subunit antibody|ogt antibody|OGT1_HUMAN antibody|UDP N acetylglucosamine peptide N acetylglucosaminyltransferase 110 kDa subunit antibody|UDP N acetylglucosamine peptide N acetylglucosaminyltransferase GlcNAc transferase antibody|UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit antibody|UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase antibody|Uridinediphospho N acetylglucosamine:polypeptide beta N acetylglucosaminyl transferase antibody
Gene ID:	8473
UniProt:	O15294

Target Details

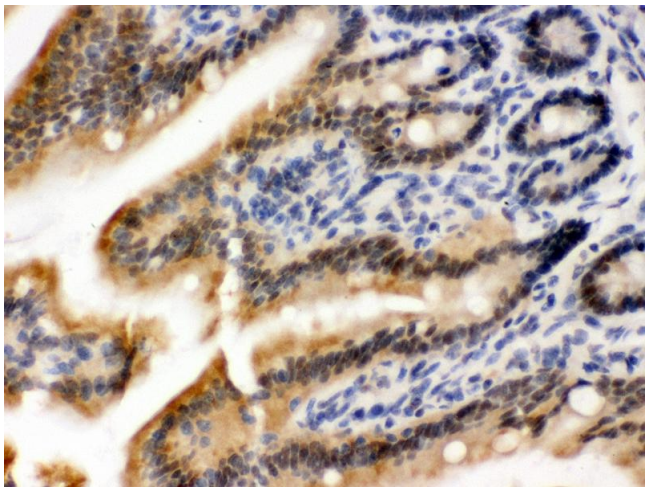
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

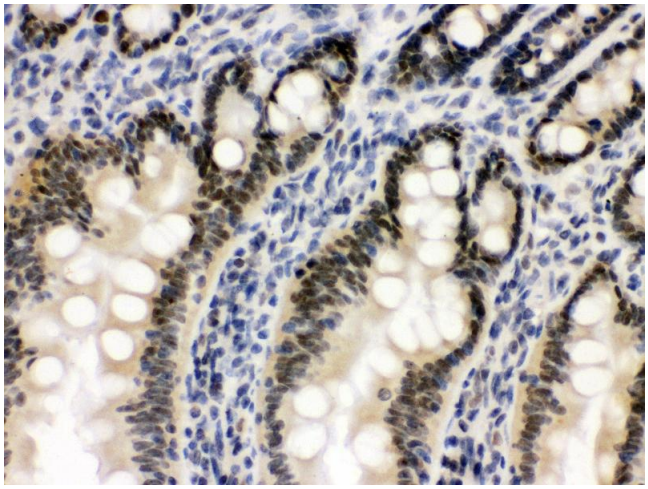
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



Immunohistochemistry

Image 1. Anti- OGT Picoband antibody,IHC(P) IHC(P): Mouse Intestine Tissue



Immunohistochemistry

Image 2. Anti- OGT Picoband antibody,IHC(P) IHC(P): Rat Intestine Tissue

Western Blotting

Image 3.