OGT Conjugated Antibody

Catalog No: #C49799

Package Size: #C49799-AF350 100ul #C49799-AF405 100ul #C49799-AF488 100ul #C49799-AF555 100ul #C49799-AF594 100ul #C49799-AF647 100ul #C49799-AF680 100ul #C49799-AF750 100ul #C49799-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	OGT Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	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
Accession No.	Swiss-Prot#:O15294
Uniprot	O15294
GeneID	8473;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	117 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

O-linked N-acetylglucosamine (O-GlcNAc) transferase (also designated 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. O-GlcNAc transferase has been purified from rat liver. It exists as a heterotrimeric complex with two subunits of the same molecular mass and one shorter subunit. Both polypeptides are related; the short subunit band is either a proteolytic product of the polypeptide or the product of an alternative translation start site. O-GlcNAc transferase is expressed as multiple transcripts that are present in different amounts in various human tissues, with the highest levels of expression in pancreas. Immunofluorescence of human cells expressing rat O-GlcNAc transferase indicated that it is present in both the nucleus and cytosol. HeLa cells expressing O-GlcNAc transferase do not survive well during prolonged incubations, suggesting that this protein may be toxic to the cells.

Note: This product is for in vitro research use only