

RecomAb™

OGT recombinant monoclonal antibody, clone R05-5C2

Catalog # RAB02040 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human OGT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human OGT.
Theoretical MW (kDa)	Calculated MW: 117 k
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

- Immunofluorescence

Gene Info — OGT

Entrez GeneID	8473
Protein Accession#	O15294
Gene Name	OGT
Gene Alias	FLJ23071, HRNT1, MGC22921, O-GLCNAC
Gene Description	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)
Omim ID	300255
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	O-GlcNAc transferase p110 subunit O-linked GlcNAc transferase OTTHUMP00000032154 OTTHUMP00000032166 uridinediphospho-N-acetylglucosamine:polypeptide beta-N-acetylglucosaminyl transferase

Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)