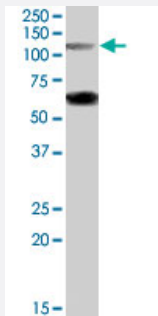


OGT polyclonal antibody

Catalog # PAB7209 Size 100 ug

Applications



Western Blot (Tissue lysate)

OGT polyclonal antibody (Cat # PAB7209) (0.05 ug/mL) staining of rat pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of OGT.
Immunogen	A synthetic peptide corresponding to human OGT.
Sequence	C-YEHPKDLKLS DGR
Host	Goat
Theoretical MW (kDa)	117, 116
Reactivity	Mouse, Rat
Specificity	This antibody is expected to recognize both reported isoforms (NP_858058.1 and NP_858059.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:64000) Western Blot (0.05-0.2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
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 (Tissue lysate)

OGT polyclonal antibody (Cat # PAB7209) (0.05 ug/mL) staining of rat pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — OGT

Entrez GeneID	8473
Protein Accession#	NP_858058.1 ; NP_858059.1
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

Publication Reference

- [Insulin stimulates and diabetes inhibits O-linked N-acetylglucosamine transferase and O-glycosylation of Sp1.](#)

Majumdar G, Wright J, Markowitz P, Martinez-Hernandez A, Raghow R, Solomon SS.

Diabetes 2004 Dec; 53(12):3184.

Application: IHC, WB-Ce, Rat, H411E cells

Pathway

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

Disease

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