

OGT rabbit pAb

Cat No.:ES8944

For research use only

Overview

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|--------------------------|---|
| Product Name | OGT rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | WB 1:500-2000, ELISA 1:10000-20000 |
| Immunogen | Synthesized peptide derived from human OGT Polyclonal AA range: 435-475 |
| Specificity | This antibody detects endogenous levels of OGT. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit (EC 2.4.1.255) (O-GlcNAc transferase subunit p110) (O-linked N-acetylglucosamine transferase 110 kDa subunit) (OGT) |
| Gene Name | OGT |
| Cellular localization | Nucleus . Cytoplasm . Predominantly localizes to the nucleus. .; [Isoform 2]: Mitochondrion . Membrane . Associates with the mitochondrial inner membrane. .; [Isoform 3]: Cytoplasm . Nucleus . Cell membrane . Mitochondrion membrane . Cell projection . Mos |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 115kD |
| Human Gene ID | 8473 |
| Human Swiss-Prot Number | O15294 |
| Alternative Names | UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit |

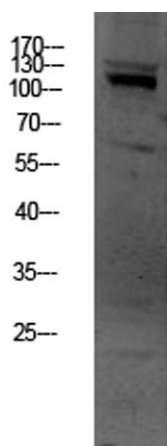




Background

(EC 2.4.1.255) (O-GlcNAc transferase subunit p110)
(O-linked N-acetylglucosamine transferase 110 kDa
subunit) (OGT)

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. [provided by RefSeq, Oct 2009],



Western blot analysis of HEPG2 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

