



Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

OGT (N) Antibody, Rabbit Polyclonal

Cat#: R3003-1

Quantity: 100 ul

Predicted | Observed M.W.: 117 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q15361

Background:

UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit (OGT) belongs to the O-GlcNAc transferase family. OGT catalyzes the transfer of a single N-acetylglucosamine from UDP-GlcNAc to a serine or threonine residue in cytoplasmic and nuclear proteins resulting in their modification with a beta-linked N-acetylglucosamine (O-GlcNAc). OGT glycosylates a large and diverse number of proteins including histone H2B, AKT1, EZH2, PFKL, KMT2E/MLL5, MAPT/TAU and HCFC1. OGT can regulate their cellular processes via cross-talk between glycosylation and phosphorylation or by affecting proteolytic processing.

Other Names:

UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit, O-GlcNAc transferase subunit p110, O-linked N-acetylglucosamine transferase 110 kDa subunit

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human OGT. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

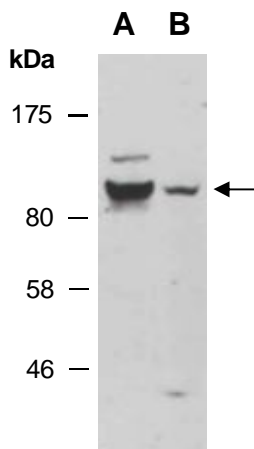


Fig 1. Western blot of total cell extracts from A) mouse brain; B) mouse thymus; using anti-OGT (N) (R3003-1) at RT for 2 h.