Datasheet for ABIN7466809

anti-OGT antibody

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Overview

Quantity:	100 µL
Target:	OGT
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This OGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human O-GlcNAc transferase. The exact sequence is proprietary.
Clone:	GT678
Isotype:	IgG2a
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purified by Protein G.

Target Details

Target:	OGT
Alternative Name:	O-linked N-acetylglucosamine (GlcNAc) transferase (OGT Products)

Target Details

Background:	O-linked N-acetylglucosamine (GlcNAc) transferase , HINCUT-1 , HRNT1 , MRX106 , O-GLCNAC , OGT1,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]
Molecular Weight:	117 kDa
Gene ID:	8473
UniProt:	O15294
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse brain , PC-12
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.