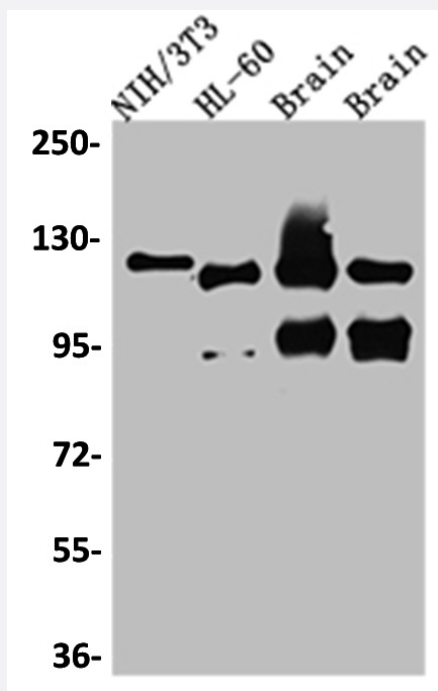


RecomAb™

OGT recombinant monoclonal antibody, clone 8G7

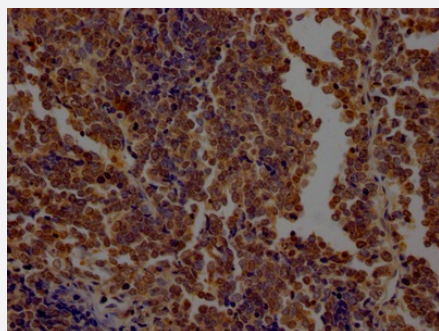
Catalog # RAB07396 Size 100 uL

Applications



Western Blot

Western blot analysis of NIH/3T3 whole cell lysate, HL-60 whole cell lysate, Rat Brain whole cell lysate, Mouse Brain whole cell lysate with OGT recombinant monoclonal antibody, clone 8G7 (Cat # RAB07396).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer using OGT recombinant monoclonal antibody, clone 8G7 (Cat # RAB07396) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

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,
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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

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- Enzyme-linked Immunoabsorbent Assay

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	<p>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]</p>
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](#)