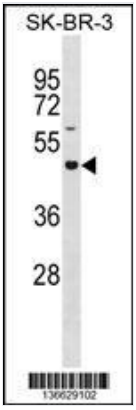
GLT8D4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GLT8D4, Polyclonal Antibody
Full Product Name	GLT8D4, CT (GXYLT2, GLT8D4, Glucoside xylosyltransferase 2, Glycosyltransferase 8 domain-containing protein 4) (Biotin)
Product Gene Name	anti-GLT8D4 antibody
Product Synonym Gene Name	GXYLT2
Product Synonym Names	GXYLT2; GLT8D4; Glucoside xylosyltransferase 2; Glycosyltransferase 8 domain-containing protein 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	51,056 Da
3D Structure	ModBase 3D Structure for A0PJZ3
Immunogen	GLT8D4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 404-432 amino acids from the C-terminal region of human GLT8D4.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-GLT8D4 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-GLT8D4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-GLT8D4 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GLT8D4 antibody	GXYLT2 is a xylosyltransferase (EC 2.4.2.-) that adds the first xylose to O-glucose-modified residues in the epidermal growth factor (EGF; MIM 131530) repeats of proteins such as NOTCH1 (MIM 190198) (Sethi et al., 2010 [PubMed 19940119]).
Product References and Citations for anti-GLT8D4 antibody	Sethi, M.K., et al. J. Biol. Chem. 285(3):1582-1586(2010).
Other Notes	Small volumes of anti-GLT8D4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for GLT8D4 purchase	MBS6302701 is an antibody targeting GLT8D4. Also known as GLT8D4, CT (GXYLT2, GLT8D4, Glucoside xylosyltransferase 2, Glycosyltransferase 8 domain-containing protein 4) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GLT8D4 antibody
GLT8D4 Antibody (C-term) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the GLT8D4 antibody detected the GLT8D4 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLT8D4. It may not necessarily be applicable to this product.

NCBI GI #	122937187
NCBI GeneID	727936
NCBI Accession #	NP_001073862.1
UniProt Primary Accession #	A0PJZ3
UniProt Related Accession #	A0PJZ3
GenBank Nucleotide #	NM_001080393.1
NCBI Official Full Name	glucoside xylosyltransferase 2
NCBI Official Synonym Full Names	glucoside xylosyltransferase 2
NCBI Official Symbol	GXYLT2
NCBI Official Synonym Symbols	GLT8D4
UniProt Protein Name	Glucoside xylosyltransferase 2
UniProt Synonym Protein Names	Glycosyltransferase 8 domain-containing protein 4
UniProt Gene Name	GXYLT2
UniProt Synonym Gene Names	GLT8D4
NCBI Protein Information	glucoside xylosyltransferase 2
NCBI Summary for GLT8D4	The protein encoded by this gene is a xylosyltransferase that elongates O-linked glucose bound to epidermal growth factor (EGF) repeats. The encoded protein catalyzes the addition of xylose to the O-glucose-modified residues of EGF repeats of Notch proteins. [provided by RefSeq, Sep 2016]
UniProt Comments for GLT8D4	Glycosyltransferase which elongates the O-linked glucose attached to EGF-like repeats in the extracellular domain of Notch proteins by catalyzing the addition of xylose.
Research Articles on GLT8D4	**1.** We have identified two enzymes of the human glycosyltransferase 8 family, now named GXYLT1 and GXYLT2 (glucoside xylosyltransferase), as UDP-d-xylose:beta-d-glucoside alpha1,3-d-xylosyltransferases adding the first xylose.

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