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GLT11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18017A

Specification

GLT11 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NCW6
Other Accession	NP_071370.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68919**
Antigen Region	**110-138**

GLT11 Antibody (N-term) - Additional Information

Gene ID 63917

Other Names
Polypeptide N-acetylgalactosaminyltransferase 11, Polypeptide GalNAc transferase 11, GalNAc-T11, pp-GaNTase 11, Protein-UDP acetylgalactosaminyltransferase 11, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 11, GALNT11

Target/Specificity
This GLT11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-138 amino acids from the N-terminal region of human GLT11.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GLT11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GLT11 Antibody (N-term) - Protein Information

Name GALNT11

Function Polypeptide N-acetylgalactosaminyltransferase that catalyzes the initiation of protein O-linked glycosylation and is involved in left/right asymmetry by mediating O-glycosylation of NOTCH1. O- glycosylation of NOTCH1 promotes activation of NOTCH1, modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO). Polypeptide N-acetylgalactosaminyltransferases catalyze the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward MUC1, MUC4, and EA2 than GALNT1. Not involved in glycosylation of erythropoietin (EPO).

Cellular Location
Golgi apparatus membrane; Single-pass type II membrane protein

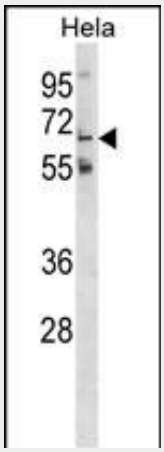
Tissue Location
Highly expressed in kidney. Expressed at intermediate level in brain, heart and skeletal muscle. Weakly expressed other tissues. In kidney, it is strongly expressed in tubules but not expressed in glomeruli.

GLT11 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLT11 Antibody (N-term) - Images



GLT11 Antibody (N-term) (Cat. #AP18017a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the GLT11 antibody detected the GLT11 protein (arrow).

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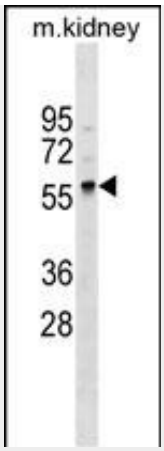

GLT11 Antibody (N-term) (Cat. #AP18017a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the GLT11 antibody detected the GLT11 protein (arrow).

GLT11 Antibody (N-term) - Background

GALNT11 catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward Muc1, Muc4.1, and EA2 than GALNT1. Does not appear to be involved in glycosylation of erythropoietin.

GLT11 Antibody (N-term) - References

Yuasa, I., et al. Leg Med (Tokyo) 12(4):208-211(2010)
Schwientek, T., et al. J. Biol. Chem. 277(25):22623-22638(2002)