

GLT25D2 Rabbit pAb

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Catalog # AP55153

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IYK4
Reactivity	Rat, Mouse
Predicted	Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72924
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GLT25D2
Epitope Specificity	501-600/626
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum lumen.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GLT25D2 is a 626 amino acid protein that localizes to endoplasmic reticulum lumen and belongs to the glycosyltransferase 25 family. Possessing beta-galactosyltransferase activity, GLT25D2 transports beta-galactose to hydroxylysine residues on collagen but lacks glucosyltransferase activity. GLT25D2 is expressed in skeletal muscle and brain, and is encoded by a gene located on human chromosome 1q25.3, a region associated with the hereditary prostate cancer (HPC1) locus. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

Additional Information

Gene ID	23127
Other Names	Procollagen galactosyltransferase 2, 2.4.1.50, Collagen beta(1-O)galactosyltransferase 2, ColGalT 2, Glycosyltransferase 25 family member 2, Hydroxylysine galactosyltransferase 2, COLGALT2, C1orf17, GLT25D2, KIAA0584
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

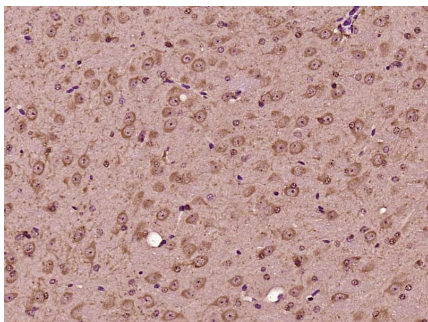
Protein Information

Name	COLGALT2
Synonyms	C1orf17, GLT25D2, KIAA0584
Function	Beta-galactosyltransferase that transfers beta-galactose to hydroxylysine residues of collagen.
Cellular Location	Endoplasmic reticulum lumen {ECO:0000255 PROSITE- ProRule:PRU10138}
Tissue Location	Expressed in brain and skeletal muscle.

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLT25D2) Polyclonal Antibody, Unconjugated (AP55153) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.