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C1GALT1C1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22217a

Product Information

Application	WB, E
Primary Accession	Q96EU7
Other Accession	Q3SX46
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56914
Calculated MW	36382

Additional Information

Gene ID	29071
Other Names	C1GALT1-specific chaperone 1, C38H2-like protein 1, C38H2-L1, Core 1 beta1, 3-galactosyltransferase 2, C1Gal-T2, C1GalT2, Core 1 beta3-Gal-T2, Core 1 beta3-galactosyltransferase-specific molecular chaperone, C1GALT1C1, COSMC
Target/Specificity	This C1GALT1C1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 26-60 amino acids from human C1GALT1C1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
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	C1GALT1C1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	C1GALT1C1
Synonyms	COSMC

Function	Probable chaperone required for the generation of 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Probably acts as a specific molecular chaperone assisting the folding/stability of core 1 beta-3-galactosyltransferase (C1GALT1).
Cellular Location	Membrane; Single-pass type II membrane protein
Tissue Location	Ubiquitously expressed. Abundantly expressed in salivary gland, stomach, small intestine, kidney, and testis and at intermediate levels in whole brain, cerebellum, spinal cord, thymus, spleen, trachea, lung, pancreas, ovary, and uterus

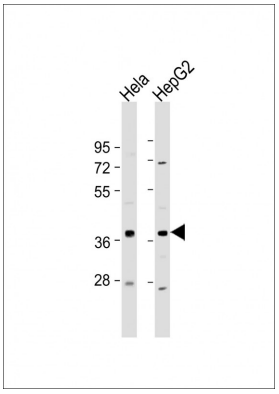
Background

Probable chaperone required for the generation of 1 O- glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Probably acts as a specific molecular chaperone assisting the folding/stability of core 1 beta-3-galactosyltransferase (C1GALT1).

References

Kudo T.,et al.J. Biol. Chem. 277:47724-47731(2002).
Kudo T.,et al.J. Biol. Chem. 281:24999-24999(2006).
Ju T.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:16613-16618(2002).
Rubboli F.,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).

Images



All lanes : Anti-C1GALT1C1 Antibody (N-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- C1GALT1C1/COSMC is a novel prognostic biomarker for hepatocellular carcinoma.

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