

**bs-9685R****[ Primary Antibody ]**

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**C1GALT1 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog)
<b>GeneID:</b> 56913	<b>SWISS:</b> Q9NS00	
<b>Target:</b> C1GALT1		<b>Predicted MW.:</b> 40 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human C1GALT1: 171-270/363.		<b>Subcellular Location:</b> Cell membrane
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> C1GALT1 is a glycosyltransferase that generates the core 1 O-glycan Gal-beta1-3GalNAc-alpha1-Ser/Thr (T antigen), which is synthesized by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended O-glycans in glycoproteins. C1GALT1 plays a central role in many processes, such as angiogenesis, thrombopoiesis and kidney homeostasis development.		

**— SELECTED CITATIONS —**

- **[IF=9]** Wang Hao. et al. Histone acetylation by HBO1 (KAT7) activates Wnt/ $\beta$ -catenin signaling to promote leukemogenesis in B-cell acute lymphoblastic leukemia. CELL DEATH DIS. 2023 Aug;14(8):1-14 WB ;Human. 37542030
- **[IF=2.5]** Lingling Bao. et al. Different doses of hydroxychloroquine regulate the structure of intestinal flora and glycosyltransferase activity in rats with IgA nephropathy..IMMUNOBIOLOGY.2025 Mar 12;230(3):152891. Western blot ;Rat. 40112730