

**Product Name: GCNT4 Rabbit Polyclonal Antibody****Catalog #: APRab11361**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	49kDa

**Antigen Information**

<b>Gene Name</b>	GCNT4
<b>Alternative Names</b>	
<b>Gene ID</b>	51301.0
<b>SwissProt ID</b>	Q9P109
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 60-140

**Background**

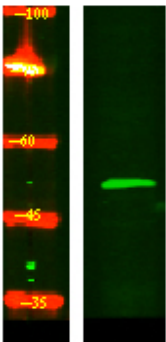
catalytic activity:UDP-N-acetyl-D-glucosamine + beta-D-galactosyl-1,3-N-acetyl-D-galactosaminyl-R = UDP + beta-D-galactosyl-1,3-(N-acetyl-beta-D-glucosaminyl-1,6)-N-acetyl-D-galactosaminyl-R.,function:Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching

enzyme activity,online information:Core 2 beta-1,6-N-acetylglucosaminyltransferase 3,online information:GlycoGene database,pathway:Protein modification; protein glycosylation,.,similarity:Belongs to the glycosyltransferase 14 family,.,tissue specificity:Predominantly expressed in thymus. Weakly expressed in pancreas, peripheral blood leukocytes, placenta, small intestine and stomach. Barely detectable in liver, spleen, lung and lymph node,.,catalytic activity:UDP-N-acetyl-D-glucosamine + beta-D-galactosyl-1,3-N-acetyl-D-galactosaminyl-R = UDP + beta-D-galactosyl-1,3-(N-acetyl-beta-D-glucosaminyl-1,6)-N-acetyl-D-galactosaminyl-R,.,function:Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching enzyme activity,.,online information:Core 2 beta-1,6-N-acetylglucosaminyltransferase 3,online information:GlycoGene database,pathway:Protein modification; protein glycosylation,.,similarity:Belongs to the glycosyltransferase 14 family,.,tissue specificity:Predominantly expressed in thymus. Weakly expressed in pancreas, peripheral blood leukocytes, placenta, small intestine and stomach. Barely detectable in liver, spleen, lung and lymph node,.,

## Research Area

O-Glycan biosynthesis;

## Image Data



Western Blot analysis of Hela lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000