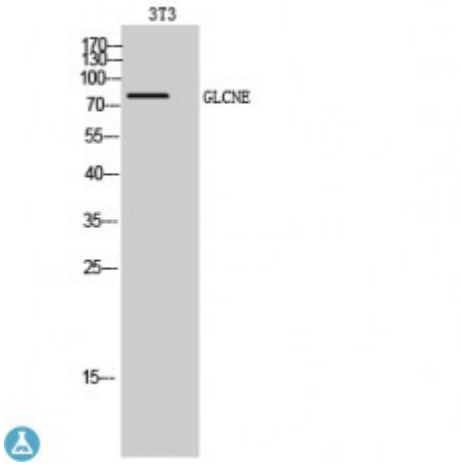
# Anti-GLCNE antibody

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| **Description** | Rabbit polyclonal to GLCNE. |

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| **Model** | STJ93278 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, IHC, WB |
| **Immunogen** | Synthesized peptide derived from human GLCNE |
| **Immunogen Region** | 570-650 aa, C-terminal |
| **Gene ID** | 10020 |
| **Gene Symbol** | GNE |
| **Dilution range** | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000 |
| **Specificity** | GLCNE Polyclonal Antibody detects endogenous levels of GLCNE protein. |
| **Tissue Specificity** | Highest expression in liver and placenta. Also found in heart, brain, lung, kidney, skeletal muscle and pancreas. Isoform 1 is expressed in heart, brain, kidney, liver, placenta, lung, spleen, pancreas, skeletal muscle and colon. Isoform 2 is expressed mainly in placenta, but also in brain, kidney, liver, lung, pancreas and colon. Isoform 3 is expressed at low level in kidney, liver, placenta and colon. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine |

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| | kinase UDP-GlcNAc-2-epimerase/ManAc kinase Includes: UDP-N-acetylglucosamine 2-epimerase hydrolyzing UDP-GlcNAc-2-epimerase Uridine diphosphate-N-acetylgluc |
| **Molecular Weight** | 80 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:23657OMIM:269921 |
| **Alternative Names** | Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase UDP-GlcNAc-2-epimerase/ManAc kinase Includes: UDP-N-acetylglucosamine 2-epimerase hydrolyzing UDP-GlcNAc-2-epimerase Uridine diphosphate-N-acetylgluc |
| **Function** | Regulates and initiates biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. Plays an essential role in early development . Required for normal sialylation in hematopoietic cells. Sialylation is implicated in cell adhesion, signal transduction, tumorigenicity and metastatic behavior of malignant cells. |
| **Cellular Localization** | Cytoplasm |
| **Post-translational Modifications** | Phosphorylated by PKC. |