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GLCE Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4927c

Specification

GLCE Antibody (Center) Blocking Peptide - Product Information

Primary Accession O94923

GLCE Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26035

Other Names
D-glucuronyl C5-epimerase, Heparan sulfate C5-epimerase, Hsepi, Heparin/heparan sulfate:glucuronic acid C5-epimerase, Heparosan-N-sulfate-glucuronate 5-epimerase, GLCE, KIAA0836 {ECO:0000312|EMBL:BAA748591}

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GLCE Antibody (Center) Blocking Peptide - Protein Information

Name GLCE

Synonyms KIAA0836 {ECO:0000312|EMBL:BAA74859.1}

Function
Converts D-glucuronic acid residues adjacent to N-sulfate sugar residues to L-iduronic acid residues, both in maturing heparan sulfate (HS) and heparin chains. This is important for further modifications that determine the specificity of interactions between these glycosaminoglycans and proteins.

Cellular Location
Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9EPS3}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q9EPS3}

GLCE Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GLCE Antibody (Center) Blocking Peptide - Images

GLCE Antibody (Center) Blocking Peptide - Background

Heparan sulfate (HS) is a negatively charged cell surface polysaccharide required for the biologic activities of circulating extracellular ligands. GLCE is responsible for epimerization of D-glucuronic acid (GlcA) to L-iduronic acid (IdoA) of HS, which endows the nascent polysaccharide chain with the ability to bind growth factors and cytokines.

GLCE Antibody (Center) Blocking Peptide - References

Grigorieva, E., et al. Int. J. Cancer 122(5):1172-1176(2008)Ghiselli, G., et al. Biochem. J. 390 (PT 2), 493-499 (2005) Hagner-McWhirter, A., et al. J. Biol. Chem. 279(15):14631-14638(2004)