

UGDH Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12613b**Specification**

UGDH Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O60701](#)**UGDH Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 7358**Other Names**

UDP-glucose 6-dehydrogenase, UDP-Glc dehydrogenase, UDP-GlcDH, UDPGDH, UGDH

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.

UGDH Antibody (C-term) Blocking peptide - Protein Information**Name** UGDH**Function**

Catalyzes the formation of UDP-alpha-D-glucuronate, a constituent of complex glycosaminoglycans (PubMed:21961565, PubMed:21502315, PubMed:23106432, PubMed:22123821, PubMed:25478983, PubMed:27966912, PubMed:30420606, PubMed:30457329). Required for the biosynthesis of chondroitin sulfate and heparan sulfate. Required for embryonic development via its role in the biosynthesis of glycosaminoglycans (By similarity). Required for proper brain and neuronal development (PubMed:32001716).

Tissue Location

Detected in heart, placenta, liver, pancreas, spleen, thymus, prostate, ovary, small intestine and colon (PubMed:9737970). Widely expressed (PubMed:9737970)

UGDH Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

UGDH Antibody (C-term) Blocking peptide - Images

UGDH Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene converts UDP-glucose to UDP-glucuronate and thereby participates in the biosynthesis of glycosaminoglycans such as hyaluronan, chondroitin sulfate, and heparan sulfate. These glycosylated compounds are common components of the extracellular matrix and likely play roles in signal transduction, cell migration, and cancer growth and metastasis. The expression of this gene is up-regulated by transforming growth factor beta and down-regulated by hypoxia. Alternative splicing results in multiple transcript variants.

UGDH Antibody (C-term) Blocking peptide - References

Wang, T.P., et al. Exp. Cell Res. 316(17):2893-2902(2010) Hodgkinson, C.A., et al. Proc. Natl. Acad. Sci. U.S.A. 107(19):8695-8700(2010) Huang, D., et al. Int. J. Cancer 126(2):315-327(2010) Lee, H.S., et al. Arch. Biochem. Biophys. 486(1):35-43(2009) Pan, Y.R., et al. Cell. Microbiol. 10(12):2447-2460(2008)