

# UGDH Antibody

*UDP-Glucose Dehydrogenase, Mouse Anti Human*  
ABM0679

## Product Overview

Name UGDH Antibody

### Description

UDP-Glucose Dehydrogenase, Mouse Anti Human

### Synonyms

GDH, UDP-GlcDH, UDPGDH, UGD, EC=1.1.1.22, UDP-Glc dehydrogenase, UDP-glucose 6-dehydrogenase, UGDH.

### Introduction

UGDH is part of the UDP-glucose/GDP-mannose dehydrogenase family and is a widely expressed enzyme localized in the liver. UGDH transfers UDP-glucose to UDP-glucuronate and thus takes part in the biosynthesis of glycosaminoglycans such as hyaluronan, chondroitin sulfate, and heparan sulfate. These glycosylated products are ordinary molecules of the extracellular matrix and participate in signal transduction, cell migration, and cancer growth and metastasis.

### Source

Escherichia Coli.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

UGDH Human solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 0.1M NaCl & 20% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELE M FEIKKICIG AGYVGGPTCS VIAHMCPEIR  
VTVVDVNESR INAWNSPTLP IYEPGLKEVV ESCRGKNLFF STNIDDAIKE ADLVFISVNT PTKTYGMGKG  
RAADLKYLEA CARRIVQNSN GYKIVTEKST VPVRAAESIR RIFDANTKPN LNLQVLSNPE FLAEGTAIKD  
LKNPDRVLIG GDETPEGQRA VQALCAVYEH WVPREKILTT NTWSSSELSKL AANAFLAQRI SSINSISALC

EATGADVEEV ATAIGMDQRI GNKFLKASVG FGGSCFQKDV LNLVYLCEAL NLPEVARYWQ QVIDMNDYQR  
RRFASRIIDS LFNTVTDKKI AILGFAPKGD TGDRESSSI YISKYLMDEG AHLHIYDPKV PREQIVVDLS  
HPGVSEDDQV SRLVTISKDP YEACDGAHAV VICTEWDMPK ELDYERIHKK MLKPAFIFDG RRVL DGLHNE  
LQTIGFQIET IGKKVSSKRI PYAPSGEIPK FSLQDPPNKK PKV.

### **Biological Activity**

Specific activity is > 2500pmol/min/ug, and is defined as the amount of enzyme that convert 1.0pmole of UDPglucose to UDP-glucuronate per minute at pH 8.7 at 37C.

### **Precautions**

UGDH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.