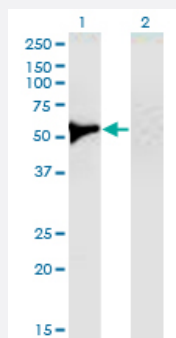


# UGDH monoclonal antibody (M01A), clone 1B7

Catalog # H00007358-M01A

Size 200 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of UGDH expression in transfected 293T cell line by UGDH monoclonal antibody (M01A), clone 1B7.

Lane 1: UGDH transfected lysate (Predicted MW: 55 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant UGDH.

### Immunogen

UGDH (NP\_003350, 395 a.a. ~ 494 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

VTISKDPYEACDGAHAVVICTEWD MFKELDYERIHKKMLKPAFIFDGRRVLDGLHNELQTIGFQIETI  
GKKVSSKRIPYAPSGEIPKFS LQDPPNKKPKV

### Host

Mouse

### Reactivity

Human

### Interspecies Antigen Sequence

Mouse (96)

### Isotype

IgM Kappa

### Quality Control Testing

Antibody Reactive Against Recombinant Protein.

### Storage Buffer

In ascites fluid

### Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of UGDH expression in transfected 293T cell line by UGDH monoclonal antibody (M01A), clone 1B7.

Lane 1: UGDH transfected lysate (Predicted MW: 55 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- ELISA

## Gene Info — UGDH

Entrez GeneID [7358](#)

GeneBank Accession# [NM\\_003359](#)

Protein Accession# [NP\\_003350](#)

Gene Name UGDH

Gene Alias GDH, UDP-GlcDH, UDPGDH, UGD

Gene Description UDP-glucose dehydrogenase

Omim ID [603370](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** UDP-glucose 6-dehydrogenase|uridine diphospho-glucose dehydrogenase

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Ascorbate and aldarate metabolism](#)

- [Metabolic pathways](#)
- [Pentose and glucuronate interconversions](#)
- [Starch and sucrose metabolism](#)

## Disease

- [Alcoholism](#)