SunLong Biotech Co.,LTD
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Mouse Anti-UGDH antibody

SLM-60504M

Product Name	UGDH
Chinese Name	尿苷二磷酸葡萄糖脱氢酶单克隆抗体
Alias	UGDH_HUMAN; UDP-glucose 6-dehydrogenase; EC:1.1.1.22; UDP-Glc dehydrogenase; UDP-GlcDH; UDPGDH; Uridine diphospho glucose dehydrogenase; UDP glucose 6 dehydrogenase; GDH; UGD; DEE84; EIEE84;
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	B6A9
React Species	Human(predicted:Mouse,Rat)
Applications	WB=1:1000-5000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	55kDa
Cellular localization	The cell membrane Extracellular matrix Secretory protein
Form	Liquid
Concentration	1mg/ml
Lsotype	IgG1/Kappa
Purification	Affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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.[provided by RefSeq, May 2010]

Tissue Specificity:
Widely expressed.

SWISS:
O60701

Gene ID:
7358

Database links:

Entrez Gene: 7358 Human

Entrez Gene: 22235 Mouse

Entrez Gene: 83472 Rat

SwissProt: O60701 Human

SwissProt: O70475 Mouse

SwissProt: O70199 Rat

催化 UDP-α-D-葡萄糖醛酸盐的形成，UDP-α-D-葡萄糖醛酸盐是复杂糖胺聚糖的一种成分。硫酸软骨素和硫酸乙酰肝素生物合成所需。通过其在糖胺聚糖生物合成中的作用进行胚胎发育所必需的。大脑和神经元正常发育所必需的。

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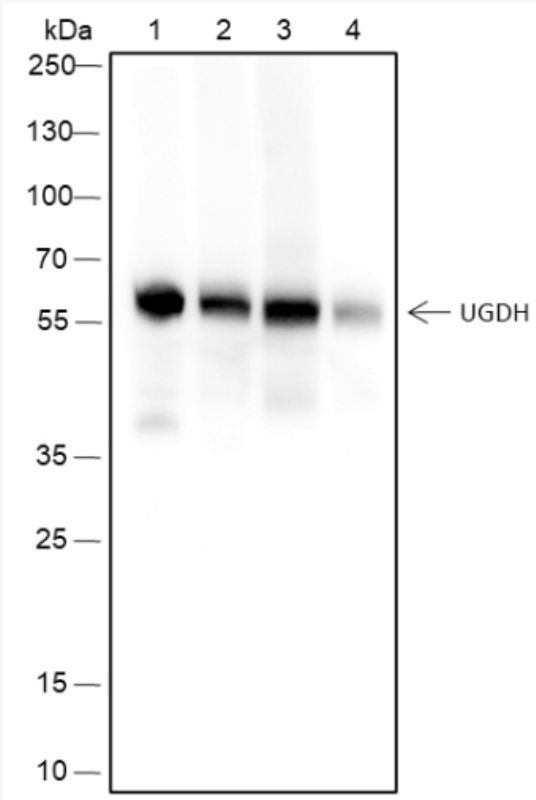
Product Picture



Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:5000

Primary Ab incubation condition: 2 hours at room temperature

Secondary Ab: Goat Anti-Mouse IgG H&L (HRP)

Lysate: 1: Hela, 2: HepG2, 3: Rat Liver, 4: F9

Protein loading quantity: 20 μg

Exposure time: 3 s

Predicted MW: 55 kDa

Observed MW: 55 kDa

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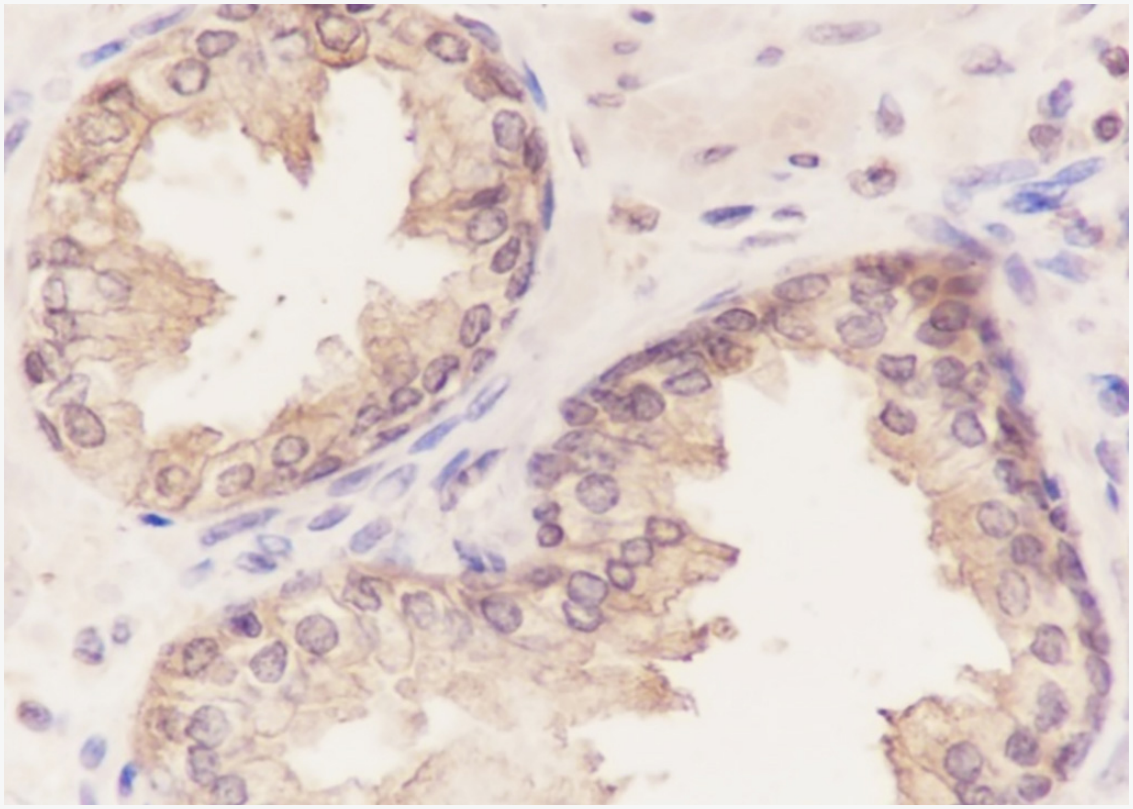

Tissue: Human prostatic hyperplasia

Section type: Formalin fixed & Paraffin -embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: SP Kit(Mouse)(sp-0024)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60504M

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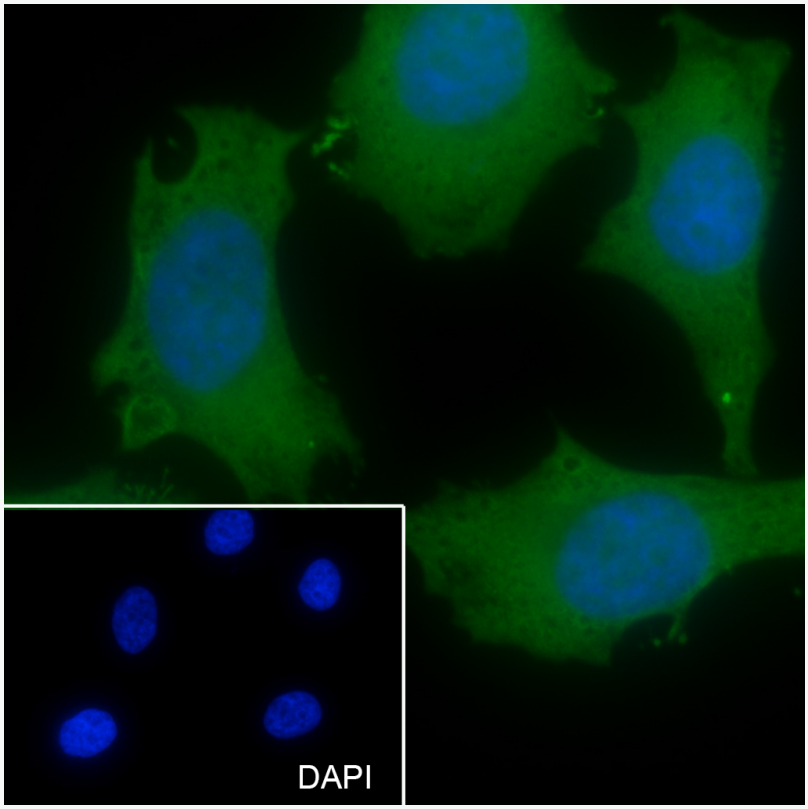

Cell line: HeLa

Fixative: 4% Paraformaldehyde

Permeabilization: 0.1% TritonX-100

Primary Ab dilution: 1:50

Primary incubation condition: 4°C overnight

Secondary Ab: Goat Anti-Mouse IgG

Nuclear counter stain: DAPI (Blue)

Comment: Color green is the positive signal for SLM-60504M