

# UGDH Recombinant Mouse mAb

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Catalog # AP94519

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, ICC
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Calculated MW</b>	55 KDa
<b>Physical State</b>	Liquid
<b>Isotype</b>	IgG1, Kappa
<b>Purity</b>	affinity purified by Protein G
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SIMILARITY</b>	Belongs to the UDP-glucose/GDP-mannose dehydrogenase family.
<b>SUBUNIT</b>	Homohexamer.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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]

## Additional Information

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<b>Target/Specificity</b>	Widely expressed.
<b>Dilution</b>	WB=1:1000-1:5000,IHC-P=1:100-500,IHC-F=,ICC/IF=1:50,IF=0
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

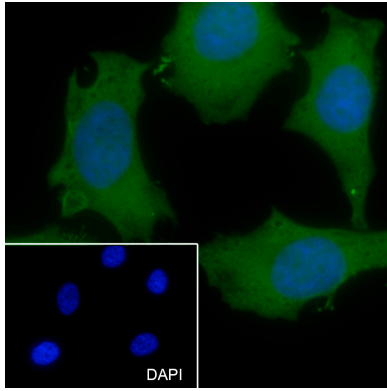
## Background

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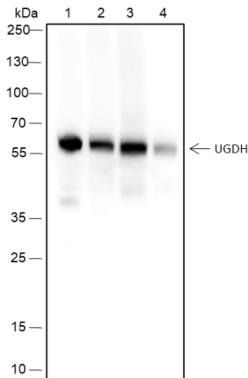
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## Images

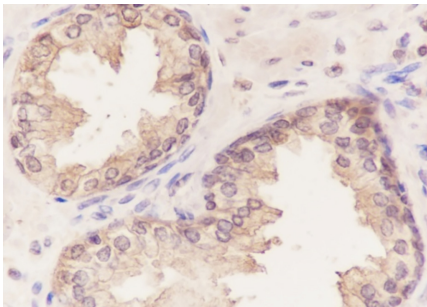
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Cell line: HeLa Fixative: 4% Paraformaldehyde  
 Permeabilization: 0.1% TritonX-100 Primary Ab dilution:  
 1:50 Primary incubation condition: 4°C overnight  
 Secondary Ab: Goat Anti-Mouse IgG Nuclear counter  
 stain: DAPI (Blue) Comment: Color green is the positive  
 signal for AP94519



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



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 AP94519

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.