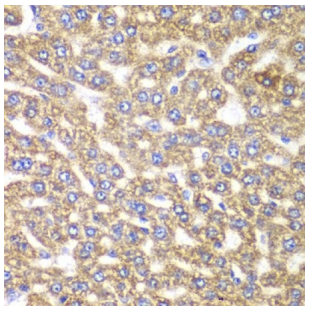
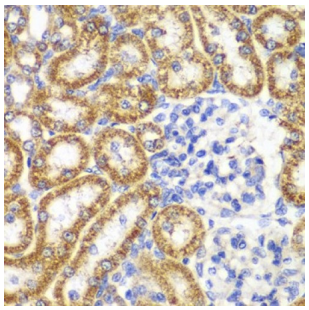
UDP-Glucose 6-Dehydrogenase (UGDH) Antibody

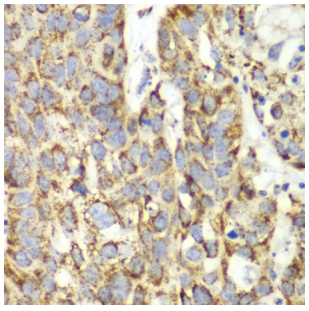
Catalogue No.:abx001122



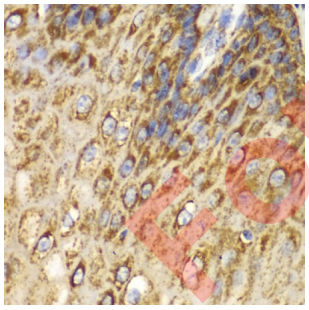
Immunohistochemistry of paraffin-embedded Rat liver using UGDH Antibody (1/100 dilution, 40x lens).



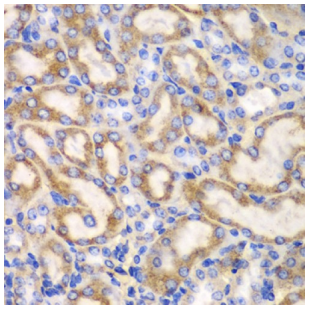
Immunohistochemistry of paraffin-embedded Rat kidney using UGDH Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human lung cancer using UGDH Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human esophagus using UGDH Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse kidney using UGDH Antibody (1/100 dilution, 40x lens).

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UGDH Antibody is a Rabbit Polyclonal antibody against UGDH. UDP-GlcDH (also called UDP-glucose 6-dehydrogenase, UGDH or UDPGDH) is a member of the UDP-glucose/GDP-mannose dehydrogenase family. UDP-GlcDH converts UDP-glucose to UDP-glucuronic acid, which is a crucial component in the biosynthesis of the glycosaminoglycans, hyaluronan, heparan sulfate and chondroitin sulfate. Found as common components of the extracellular matrix, these glycosaminoglycans are significant in signal transduction, cell migration, cancer growth and cancer metastasis. UDP-glucuronic acid (UDP-GlcA) is needed in the liver for the excretion of toxic compounds. UDP-GlcDH is a ubiquitously expressed protein most abundant in the liver. The protein structure of UDP-GlcDH was first analyzed in cow liver and found to be a homohexamer. This structure is well conserved between species and phyla with an overall 97% sequence identity shared between different species of mammals. Research indicates that UDP-GlcDH expression is upregulated by TGFʃ and downregulated by hypoxia.

Target:	UDP-Glucose 6-Dehydrogenase (UGDH)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IHC
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human UGDH
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O60701 (UniProt, ExPASy)
Gene Symbol:	UGDH
GeneID:	7358
NCBI Accession:	NP_003350.1
KEGG:	hsa:7358
String:	9606.ENSP00000319501

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Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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