

Rabbit UGDH Polyclonal Antibody | anti-UGDH antibody

UGDH Antibody (C-term)

CATALOG # AAA290188	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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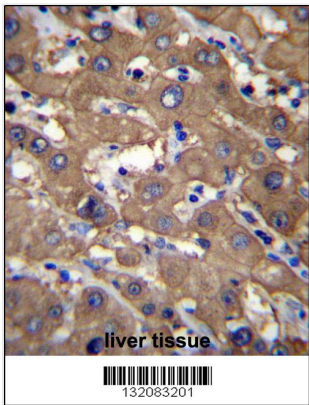
PRODUCT SYNONYMS

UGDH; Polyclonal Antibody; UGDH Antibody (C-term); UDP-glucose 6-dehydrogenase; UDP-Glc dehydrogenase; UDP-GlcDH; UDPGDH; anti-UGDH antibody

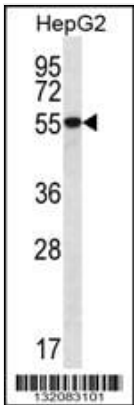
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UGDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 465-494 amino acids from the C-terminal region of human UGDH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	465-494
Sequence Length	397
Applicable Applications for anti-UGDH antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
UGDH Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UGDH Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
UGDH Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the UGDH antibody detected the UGDH protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-UGDH antibody	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.
Product Categories/Family for anti-UGDH antibody	Cell Biology; Metabolism; Signal transduction
References	Wang, T.P., et al. Exp. Cell Res. 316(17):2893-2902(2010) Hodgkinson, C.A., et al. Proc. Natl. Acad. Sci. U.S.A. 107(19):8695-8700(2010) Huang, D., et al. Int. J. Cancer 126(2):315-327(2010) Lee, H.S., et al. Arch. Biochem. Biophys. 486(1):35-43(2009) Pan, Y.R., et al. Cell. Microbiol. 10(12):2447-2460(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296040443
NCBI GeneID	7358
NCBI Accession #	NP_001171629.1; NP_001171630.1; NP_003350.1
NCBI GenBank Nucleotide #	NM_001184700.1
UniProt Accession #	O60701; O60589; B3KUU2; B4DN25
Molecular Weight	55024
NCBI Official Full Name	UDP-glucose 6-dehydrogenase isoform 2
NCBI Official Synonym Full Names	UDP-glucose 6-dehydrogenase
NCBI Official Symbol	UGDH
NCBI Official Synonym Symbols	GDH; UGD; UDPGDH; UDP-GlcDH
NCBI Protein Information	UDP-glucose 6-dehydrogenase

UniProt Protein Name	UDP-glucose 6-dehydrogenase
UniProt Gene Name	UGDH
UniProt Synonym Gene Names	UDP-Glc dehydrogenase; UDP-GlcDH; UDPGDH
UniProt Entry Name	UGDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ugdh-antibody-immunohistochemistry-western-blot-elisa/290188>