ARG57074
anti-UGDH antibody [2G11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2G11] recognizes UGDH
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	2G11
Isotype	IgG2b, kappa
Target Name	UGDH
Species	Human
Immunogen	Recombinant fragment around aa. 1-494 of Human UGDH.
Conjugation	Un-conjugated
Alternate Names	EC 1.1.1.22; UDP-GlcDH; UDP-glucose 6-dehydrogenase; UDP-Glc dehydrogenase; UGD; UDPGDH; GDH

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

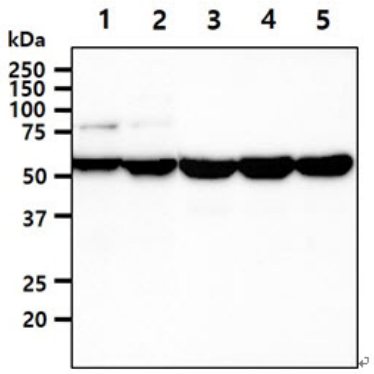
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7358 Human Swiss-port # O60701 Human
Gene Symbol	UGDH
Gene Full Name	UDP-glucose 6-dehydrogenase
Background	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]
Function	Involved in the biosynthesis of glycosaminoglycans; hyaluronan, chondroitin sulfate, and heparan sulfate. [UniProt]
Calculated Mw	55 kDa

Images



ARG57074 anti-UGDH antibody [2G11] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) NIH-3T3 cell lysate, 3) HepG2 cell lysate, 4) A549 cell lysate, 5) MCF7 cell lysate stained with ARG57074 anti-UGDH antibody [2G11] at 1:1000.