

Product Datasheet

GCLM Antibody (2B8) - Azide and BSA Free H00002730-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00002730-M01

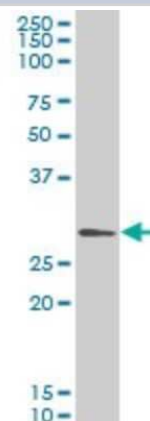
GCLM Antibody (2B8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2730
Gene Symbol	GCLM
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 21540084). Mouse reactivity reported in scientific literature (PMID: 20146260).
Specificity/Sensitivity	GCLM (2B8)
Immunogen	GCLM (AAH41809, 1 a.a. ~ 274 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MGTDSRAAKALLARARTLHLQTGNLLNWGRLRKKCPSTHSEELHDCIQKTLNE WSSQINPDLVREFPDVLECTVSHAVEKINPDEREEMKVSAKLFIVESNSSSSTR SAVDMACSVLGVAQLDSVIIASPPIEDGVNLSLEHLQPYWEELENLVQSKKIVAI GTSDLDKTQLEQLYQWAQVKPNSNQNVLASCCVMPPDLTAFKQFDIQLLTHN DPKELLSGASFQEALQESIPDIQAHEWVPLWLLRYSVIVKSRGIIKSKGYILQAK RRGS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA 1:100-1:2000
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

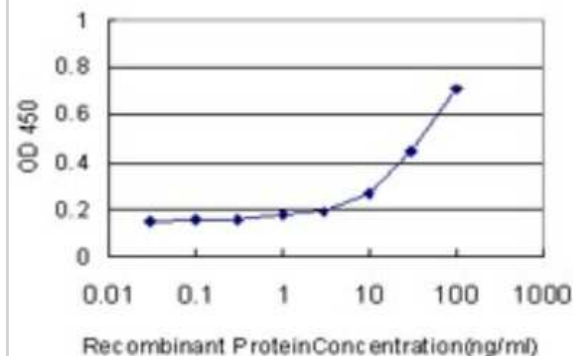


Images

Western Blot: GCLM Antibody (2B8) [H00002730-M01] - GCLM monoclonal antibody (M01), clone 2B8 Analysis of GCLM expression in HeLa.



Sandwich ELISA: GCLM Antibody (2B8) [H00002730-M01] - Detection limit for recombinant GST tagged GCLM is approximately 1ng/ml as a capture antibody.



Publications

Balamurugan AN, Akhov L, Selvaraj G, Pugazhenth S. Induction of Antioxidant Enzymes by Curcumin and Its Analogues in Human Islets: Implications in Transplantation. *Pancreas*. 2009-05-01 [PMID: 19188863]

Hardwick RN, Fisher CD, Canet MJ et al. Diversity in Antioxidant Response Enzymes in Progressive Stages of Human Nonalcoholic Fatty Liver Disease. *Drug Metab Dispos*. 2010-08-30 [PMID: 20805291]

Sharon N, Mor I, Golan-Lev T et al. Molecular and Functional Characterization of Gastrula Organizer Cells Derived from Human Embryonic Stem Cells. *Stem Cells*. 2011-02-15 [PMID: 21328508]

Abel EL, Bubel JD, Simper MS et al. Protection against 2-chloroethyl ethyl sulfide (CEES) - Induced cytotoxicity in human keratinocytes by an inducer of the glutathione detoxification pathway. *Toxicol Appl Pharmacol*. 2011-06-23 [PMID: 21723306]

Yang H, Ko K, Xia M et al. Induction of avian musculoaponeurotic fibrosarcoma proteins by toxic bile acid inhibits expression of glutathione synthetic enzymes and contributes to cholestatic liver injury in mice. *Hepatology* 2010-04-01 [PMID: 20146260] (WB, Mouse, Human)

Lu W, Chen Z, Zhang H et al. ZNF143 transcription factor mediates cell survival through upregulation of the GPX1 activity in the mitochondrial respiratory dysfunction *Cell Death Dis* 2012-11-15 [PMID: 23152058] (WB, Human)

Zhang L, Gavin T, Barber DS, LoPachin RM. Role of the Nrf2-ARE pathway in acrylamide neurotoxicity. *Toxicol Lett*;205(1):1-7. 2011-08-10 [PMID: 21540084] (WB, Rat)



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Products Related to H00002730-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-98869-100ug	Recombinant Human GCLM His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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