

Product Datasheet

Glutamine Synthetase Antibody (3B6) H00002752-M02

Unit Size: 0.1 mg

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

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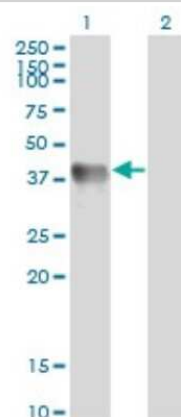


H00002752-M02**Glutamine Synthetase Antibody (3B6)**

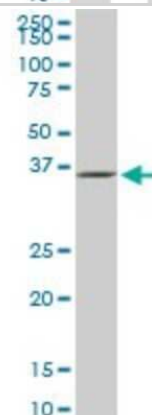
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B6
Preservative	No Preservative
Isotype	IgG1 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	2752
Gene Symbol	GLUL
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	GLUL - glutamate-ammonia ligase (glutamine synthetase)
Immunogen	GLUL (NP_002056, 274 a.a. ~ 373 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. IEKLSKRHQYHIRAYDPKGGLDNARRLTGFHETSNINDFSAGVANRSASIRIPRT VGQEKKGYPEDRRPSANCDPFSVTEALIRTCLLNETGDEPFQYKN
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

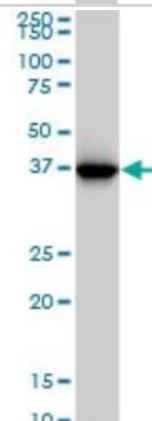
Western Blot: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - Analysis of GLUL expression in transfected 293T cell line by GLUL monoclonal antibody (M02), clone 3B6. Lane 1: GLUL transfected lysate (42.1 KDa). Lane 2: Non-transfected lysate.



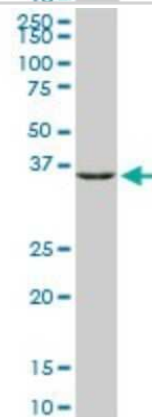
Western Blot: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - GLUL monoclonal antibody (M02), clone 3B6. Analysis of GLUL expression in PC-12.



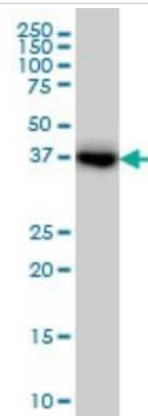
Western Blot: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - GLUL monoclonal antibody (M02), clone 3B6. Analysis of GLUL expression in HepG2.



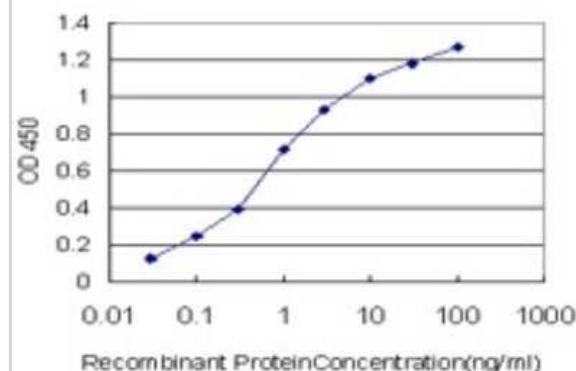
Western Blot: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - GLUL monoclonal antibody (M02), clone 3B6. Analysis of GLUL expression in Raw 264.7.



Western Blot: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - GLUL monoclonal antibody (M02), clone 3B6 Analysis of GLUL expression in Jurkat.



Sandwich ELISA: Glutamine Synthetase Antibody (3B6) [H00002752-M02] - Detection limit for recombinant GST tagged GLUL is approximately 0.03ng/ml as a capture antibody.



Publications

Herbert MK, Kuiperij HB, Verbeek MM. Optimisation of the quantification of glutamine synthetase and myelin basic protein in cerebrospinal fluid by a combined acidification and neutralisation protocol. *J Immunol Methods*. 2012-04-19 [PMID: 22542401]

Polletta L, Vernucci E, Carnevale I et al. SIRT5 regulation of ammonia-induced autophagy and mitophagy. *Autophagy* 2015-01-01 [PMID: 25700560]

Gross MI, Demo SD, Dennison JB et al. Antitumor Activity of the Glutaminase Inhibitor CB-839 in Triple-Negative Breast Cancer. *Mol. Cancer Ther*. 2014-02-13 [PMID: 24523301] (WB, Human)



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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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