

Product Datasheet

Glutaminase Antibody (5C4) - Azide and BSA Free H00002744-M01

Unit Size: 0.1 mg

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

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H00002744-M01

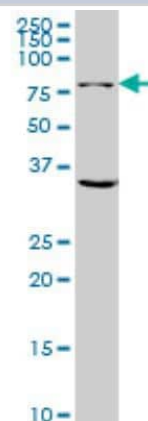
Glutaminase Antibody (5C4) - Azide and BSA Free

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	5C4
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	2744
Gene Symbol	GLS
Species	Human, Mouse
Specificity/Sensitivity	GLS - glutaminase
Immunogen	GLS (NP_055720, 580 a.a. ~ 669 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. EQRDYDSRTALHVAAAEGHVEVVKFLLEACKVNPFPKDRWNNTPMDEALHFG HHDVFKILQEYQVQYTPQGDSDNGKENQTVHKNLDGLL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

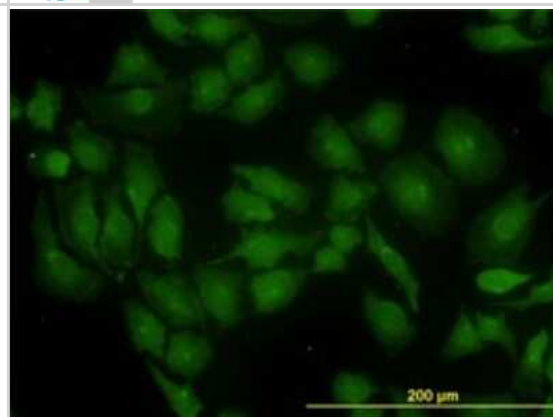


Images

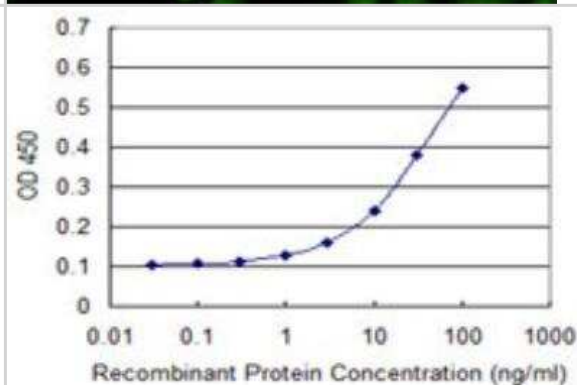
Western Blot: Glutaminase Antibody (5C4) [H00002744-M01] - Western Blot analysis of GLS expression in Hela NE (Cat # L013V3).



Immunocytochemistry/Immunofluorescence: Glutaminase Antibody (5C4) [H00002744-M01] - Analysis of monoclonal antibody to GLS on HeLa cell. Antibody concentration 10 ug/ml.



ELISA: Glutaminase Antibody (5C4) [H00002744-M01] - Detection limit for recombinant GST tagged GLS is approximately 0.3ng/ml as a capture antibody.



Publications

Olimpia P, Roberta B, Pedro H et al. Elucidating the role of N-acetylglucosamine in Group A Carbohydrate for the development of an effective glycoconjugate vaccine against Group A Streptococcus. Carbohydr Polym. 2023-02-23 [PMID: 37028871]

Lin J, Lian N, Gao Y Et Al. m6A Methylation Mediates LHPP Acetylation as a Tumour Aerobic Glycolysis Suppressor to Improve the Prognosis of Gastric Cancer Cell Death Dis 2022-05-14 [PMID: 35568711]

Unterluggauer H, Mazurek S, Lener B et al. Premature senescence of human endothelial cells induced by inhibition of glutaminase. Biogerontology. 2008-03-04 [PMID: 18317946]

Cassago A, Ferreira AP, Ferreira IM et al. Mitochondrial localization and structure-based phosphate activation mechanism of Glutaminase C with implications for cancer metabolism. Proc Natl Acad Sci U S A. 2012-01-06 [PMID: 22228304]

Reynolds MR, Lane AN, Robertson B et al. Control of glutamine metabolism by the tumor suppressor Rb. Oncogene. 2013-01-28 [PMID: 23353822]

Hida H, Mouri A, Ando Y et al. Combination of neonatal PolyI:C and adolescent phencyclidine treatments is required to induce behavioral abnormalities with overexpression of GLAST in adult mice. Behav Brain Res. 2013-09-20 [PMID: 24060653]

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

Cole JT, Mitala CM, Kundu S et al. Dietary branched chain amino acids ameliorate injury-induced cognitive impairment. Proc Natl Acad Sci U S A. 2009-12-07 [PMID: 19995960]





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Products Related to H00002744-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)
NBP1-72301-0.1mg	Recombinant E. coli Glutaminase 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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