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Product datasheet for TA325074

Glutaminase (GLS) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:10~50, IF: 1:10~50, FC: 1:10~50
Reactivity:	Human, Mouse (Predicted: Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This GLS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 516-545 amino acids from the C-terminal region of human GLS.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73461 Da
Gene Name:	glutaminase
Database Link:	NP_055720 Entrez Gene 14660 MouseEntrez Gene 24398 RatEntrez Gene 2744 Human O94925
Synonyms:	AAD20; GAC; GAM; GLS1; KGA
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, D-Glutamine and D-glutamate metabolism, Metabolic pathways, Nitrogen metabolism

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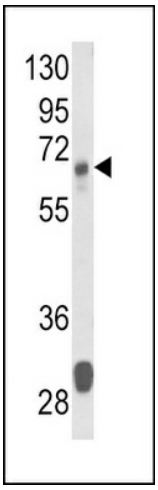
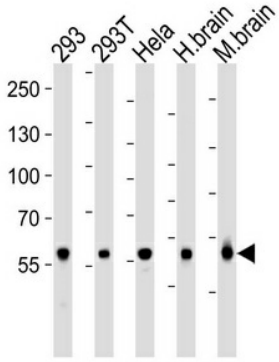
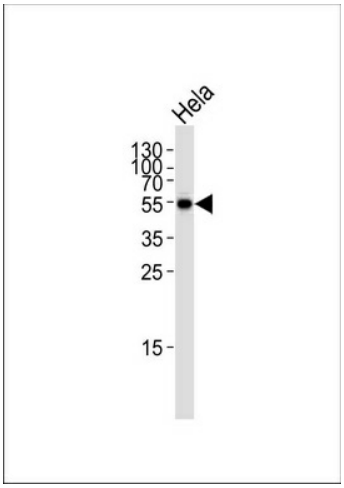
Product images:



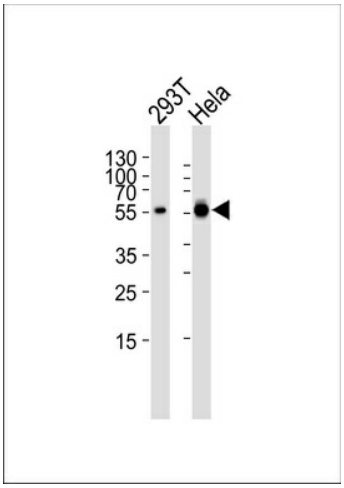
Western blot analysis of GLS Antibody (C-term) (Cat. #TA325074) in mouse liver tissue lysates (35ug/lane). GLS (arrow) was detected using the purified Pab.



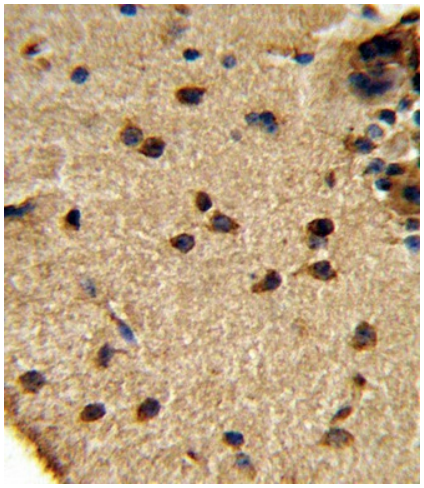
Western blot analysis of lysates from 293, 293T, Hela cell line, huamn brain and mouse brain tissue lysate (from left to right), using GLS Antibody (C-term) (Cat. # TA325074). TA325074 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



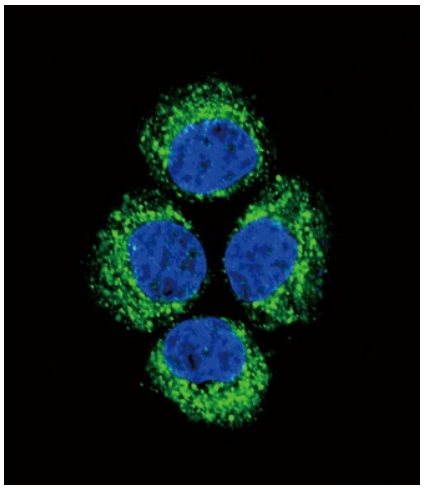
Western blot analysis of lysate from Hela cell line, using GLS Antibody (C-term) (Cat. #TA325074). TA325074 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



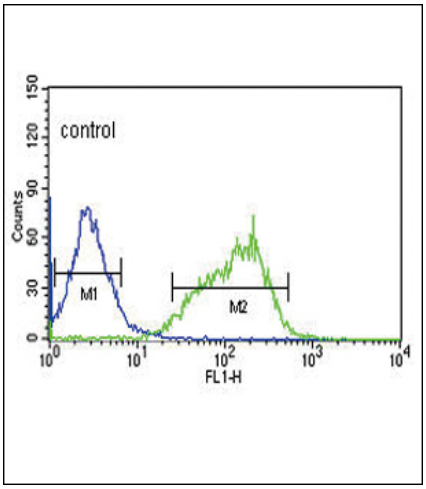
Western blot analysis of lysates from 293T, Hela cell line (from left to right), using GLS Antibody (C-term) (Cat. #TA325074). TA325074 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



GLS Antibody (C-term) (Cat. #TA325074) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GLS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of GLS Antibody (C-term) (Cat. #TA325074) with Hela cell followed by Alexa Fluoræ´?489-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



GLS Antibody (C-term) (Cat. #TA325074) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.