

Supplemental Information

Glutaminase 1 is essential for the differentiation, proliferation and survival of human neural progenitor cells

Running title: GLS1 is essential for NPC

Authors: Yi Wang^{1,2}, Yunlong Huang^{1,2*}, Lixia Zhao^{1,2}, Yuju Li^{1,2}, and Jialin Zheng^{1,2,3*}

Addresses: ¹Laboratory of Neuroimmunology and Regenerative Therapy, Departments of ²Pharmacology and Experimental Neuroscience and ³Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE 68198-5930

*Address correspondence and reprint requests to Dr. Jialin Zheng or Dr. Yunlong Huang, Laboratory of Neuroimmunology and Regenerative Therapy, Departments of Pharmacology and Experimental Neuroscience and Pathology and Microbiology, 985930 Nebraska Medical Center, Omaha, NE 68198-5930. Phone: 402-559-5656; Fax: 402-559-7480; Email: jzheng@unmc.edu or yhuan1@unmc.edu.

Supplementary Figures

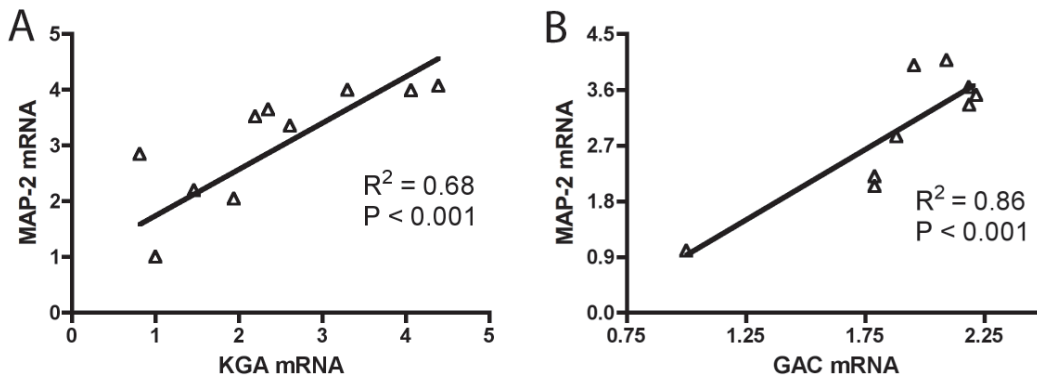


Figure S1. KGA and GAC mRNA were correlated with MAP-2 mRNA. (A, B) Correlation of the gene expression levels of KGA (A) and GAC (B) with MAP-2 was determined by Spearman correlation.

Supplementary Tables

Table S1. Total counted cell numbers of Figs. 3-5

	Figure 3			Figure 4		Figure 5	
	MAP-2	GFAP	DAPI	Ki67	DAPI	TUNEL	DAPI
siCON	561	70	832	427	898	86	1237
siGLS1	285	81	739	337	943	133	906