Supplementary Material

Folate/Vitamin B Alleviates Hyperhomocysteinemia-Induced Alzheimer-Like Pathologies in Rat Retina

Jing Guo[1], Shaozhou Ni[3], Qihang Li[4], Jian-Zhi Wang[1,2, *] , Ying Yang[1, *]

[1]Department of Pathophysiology, School of Basic Medicine and Collaborative Innovation Center for Brain Science, Key Laboratory for Neurological Disorders of the Ministry of Education of China, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430030, China

[2] Co-innovation Center of Neuroregeneration, Nantong University, Nantong 226000, China

[3] Emergency Department, Zhongnan Hospital of Wuhan University, Wuhan 430071, China

[4]School of Optometry and Ophthalmology and Eye Hospital, Wenzhou Medical College, Wenzhou 325000, China

Table S1. Antibodies used in this study

Antibody	Epitopes	mAb/pAb	Dilution	Source
DM1A	α-Tubulin	mAb	1:2000 for WB	Sigma (St. Louis, MO)
APP	Anti-APP antibody	pAb	1:1000 for WB	Millipore (Billerica, MA)
PS1	Anti-presenilin-1 antibody	pAb	1:500 for WB	Millipore
BACE1	BACE C-15	pAb	1:500 for WB	Santa Cruz (Santa Cruz, CA)
Tau1	Non-phosphorylated tau at Ser-198/199/202	mAb	1:1000 for WB 1:200 for IHC	Chemicon (Temecula, CA)
pS262	Phosphorylated tau at Ser262	pAb	1:500 for WB 1:200 for IHC	SAB (Zhejiang, China)
pS356	Phosphorylated tau	pAb	1:500 for WB	SAB

	at Ser356			
6E10	Aβ 1-16	mAb	1:200 for IHC	Covance (Princeton, NJ)
PP2Ac	PP-2A catalytic subunit (both α and β isoforms)	pAb	1:1000 for WB	Biosource (Camarillo, CA)
p-PP2Ac	Phosphorylated PP2A at Tyr307	pAb	1:1000 for WB	Santa Cruz
M-PP2Ac	Methylated PP2Ac	pAb	1:1000 for WB	Abcam (Cambridge, UK)
DM-PP2Ac	Demethylated	pAb	1:1000 for WB 1:200 for IHC	Abcam
S9-GSK-3β	Phosphotylated GSK-3β at Ser9	pAb	1:1000 for WB	Cell Signaling (Danvers, MA)
Y216-GSK-3β	Phosphorylated GSK-3β at Tyr216	mAb	1:1000 for WB	Millipore
T-GSK-3β	Total GSK-3β	pAb	1:1000 for WB	Cell Signaling