

**Table 1.** Primary antibody used

Antibody	Description of immunogen	Source, host species, catalog no., RRID	Concentration used
VACHT	KLH-conjugated linear peptide corresponding to C-terminus of rat VACHT	Millipore, goat polyclonal, ABN100, AB_2630394	1:500
Nrf2	synthesized peptide derived from C-terminal of human Nrf2	Sigma-Aldrich, rabbit polyclonal, SAB4501984, AB_10747179	1:100
Luc	native protein from <i>Photinus pyralis</i> (Firefly)	Novus, goat polyclonal, NB100-1677, AB_10000585	1:100
PGC1 $\alpha$	synthesized peptide from amino acids 777-797 (C-terminus) of mouse PGC-1	Millipore, rabbit polyclonal, AB3242, AB_2268462	1:100
HDAC4	synthesized peptide corresponding to amino acids 1-19 of human HDAC4	Abcam, rabbit polyclonal, ab12172, AB_298904	1:100
ChAT	human placental enzyme	Millipore, goat polyclonal, AB144P, AB_2079751	1:100
NeuN	purified cell nuclei from mouse brain	Millipore, mouse monoclonal, MAB377, AB_2298772	1:100
GFAP	purified glial filament	Millipore, mouse monoclonal, MAB3402, AB_10627989	1:200
Iba1	synthesized peptide with sequence C-TGPPAKKAISELP corresponding to C-terminus according to NP_001614.3	Novus, goat polyclonal, NB100-1028, AB_521594	1:400