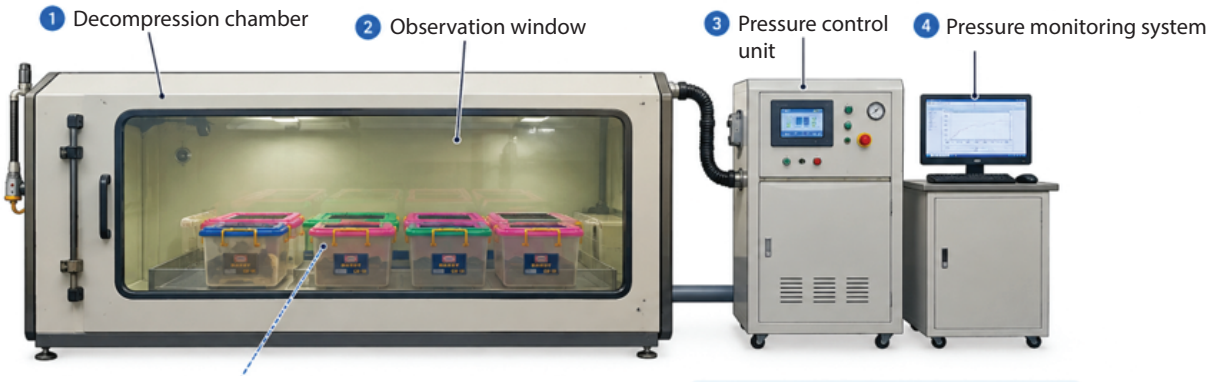
Supplementary 1.

Decompression chamber setup used for IHH exposure in experimental rats.



Supplementary 2.

Representative raw assay readings biomarker optical density in rat brain tissue following IHH.

Group	MDA (OD 530 nm)	GSH (OD 412 nm)	LC3 (OD 450 nm)	mTOR (OD 450 nm)
Control	0.047	0.60	0.099	0.184
Group 1	0.276	0.20	0.246	0.170
Group 2	0.186	0.28	0.206	0.174
Group 3	0.308	0.35	0.338	0.187
Group 4	0.213	0.23	0.363	0.177