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Adult hippocampal neurogenesis is abundant in neurologically healthy subjects and drops sharply in patients with Alzheimer's disease

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PRIMARY ANTIBODIES USED IN EXPERIMENTS

ANTIGEN	COMPANY	HOST SPECIES	RRID	CONCENTRATION	NaBH ₄ and ANTIGEN RETRIEVAL
Doublecortin	SANTA CRUZ	GOAT	RRID:AB_2088494	1:1,000	Required
Doublecortin	SANTA CRUZ	MOUSE	RRID:AB_10610966	1:50	Required
Doublecortin	GLEESON LAB	RABBIT	-	1:200	Required
Doublecortin	ATLAS	RABBIT	RRID:AB_2674950	1:50	Required
PSA-NCAM	MILLIPORE	MOUSE	RRID:AB_95211	1:1,000	Required
Calretinin	SWANT	RABBIT	RRID:AB_2619710	1:500	Not Required
Phosphorylated Histone3	MILLIPORE	RABBIT	RRID:AB_310177	1:250	Required
Prox1	RELIA TECH	RABBIT	RRID:AB_10013821	1:500	Required
NeuN	MILLIPORE	RABBIT	RRID:AB_10807945	1:1,000	Not Required
4R-Tau	MILLIPORE	MOUSE	RRID:AB_310014	1:500	Required
Total Tau	SYNAPTIC SYSTEMS	RABBIT	RRID:AB_1147195	1:500	Required
Calbindin	SWANT	RABBIT	RRID:AB_2721225	1:500	Not Required
β-III Tubulin	PROMEGA	MOUSE	RRID:AB_430874	1:1000	Required
GFAP	MILLIPORE	MOUSE	RRID:AB_2294571	1:1,000	Not Required
Phosphorylated Tau (S396)	THERMO FISHER	RABBIT	RRID:AB_2533745	1:500	Not Required
β-Amyloid	COVANCE	MOUSE	RRID:AB_2564682	1:1,000	Not Required. 70% Formic acid required

SECONDARY ANTIBODIES USED IN EXPERIMENTS

ANTIBODY	COMPANY	HOST SPECIES	CATALOG NUMBER	RRID	CONCENTRATION
Alexa-555 anti-goat	THERMO FISHER	DONKEY	A-21432	RRID:AB_2535853	1:1,000
Alexa-488 anti-goat	THERMO FISHER	DONKEY	A-11055	RRID:AB_2534102	1:1,000
Alexa-488 anti-rabbit	THERMO FISHER	DONKEY	A-21206	RRID:AB_2535792	1:1,000
Alexa-647 anti-rabbit	THERMO FISHER	DONKEY	A-31573	RRID:AB_2536183	1:1,000
Alexa-555 anti-rabbit	THERMO FISHER	DONKEY	A-31572	RRID:AB_162543	1:1,000
Alexa-488 anti-mouse	THERMO FISHER	DONKEY	A-21202	RRID:AB_141607	1:1,000
Alexa-647 anti-mouse	THERMO FISHER	DONKEY	A-31571	RRID:AB_162542	1:1,000
Alexa-555 anti-mouse	THERMO FISHER	DONKEY	A-31570	RRID:AB_2536180	1:1,000
Alexa-488 anti-rat	THERMO FISHER	DONKEY	A-21208	RRID:AB_2535794	1:1,000
Alexa-488 anti-guinea pig	THERMO FISHER	GOAT	A-11073	RRID:AB_2534117	1:1,000

OTHER PRIMARY ANTIBODIES USED IN EXPERIMENTAL SETUP

ANTIGEN	COMPANY	HOST SPECIES	RRID	SIGNAL SPECIFICITY (- HC-AR -NaBH ₄)	SIGNAL SPECIFICITY (+HC-AR +NaBH ₄)
NG2	R & D DIAGNOSTICS	RAT	RRID:AB_10890940	ABSENT	ABSENT
NG2	THERMO FISHER	RAT	RRID:AB_2606388	ABSENT	ABSENT
NG2	MILLIPORE	MOUSE	RRID:AB_570627	ABSENT	POOR
Sox2	R & D DIAGNOSTICS	GOAT	RRID:AB_355110	ABSENT	POOR
Sox2	R & D DIAGNOSTICS	MOUSE	RRID:AB_358009	ABSENT	POOR
Sox2	MILLIPORE	RABBIT	RRID:AB_2286686	ABSENT	ABSENT
Sox2	PROTEINTECH	RABBIT	RRID:AB_2195801	ABSENT	ABSENT
Nestin	DSHB	MOUSE	RRID:AB_2235915	ABSENT	ABSENT
Nestin	SIGMA ALDRICH	RABBIT	RRID:AB_1841032	ABSENT	ABSENT
BLBP	ABCAM	RABBIT	RRID:AB_880078	ABSENT	ABSENT
BLBP	ABCAM	MOUSE	RRID:AB_11157091	ABSENT	ABSENT
Prox1	MILLIPORE	RABBIT	RRID:AB_177485	ABSENT	ABSENT
PSA-NCAM	DSHB	MOUSE	RRID:AB_528392	ABSENT	ABSENT
Pax6	DSHB	CHICKEN	RRID:AB_528427	ABSENT	ABSENT
Tau	SYNAPTIC SYSTEMS	GUINEA PIG	RRID:AB_1547385	ABSENT	GOOD
Tau1	MILLIPORE	MOUSE	RRID:AB_94855	ABSENT	GOOD
B-III Tubulin	SYNAPTIC SYSTEMS	GUINEA PIG	RRID:AB_10805138	POOR	GOOD
B-III Tubulin/Tuj1	COVANCE	MOUSE	RRID:AB_2313773	ABSENT	ABSENT
Calretinin	SYNAPTIC SYSTEMS	GUINEA PIG	RRID:AB_10635160	GOOD	GOOD
NeuN	MILLIPORE	MOUSE	RRID:AB_2298772	GOOD	GOOD
MAP1B (c-20)	SANTA CRUZ	GOAT	RRID:AB_2137423	ABSENT	GOOD
Tuc-4	MILLIPORE	RABBIT	RRID:AB_91876	ABSENT	ABSENT
Tbr1	ABCAM	RABBIT	RRID:AB_2200219	ABSENT	ABSENT
Tbr2	ABCAM	RABBIT	RRID:AB_2721040	ABSENT	ABSENT
Ki67	DAKO	MOUSE	RRID:AB_2142367	ABSENT	ABSENT
Ki67	LEICA	MOUSE	RRID:AB_563841	ABSENT	ABSENT
Ki67	SYNAPTIC SYSTEMS	RABBIT	RRID:AB_2721095	ABSENT	ABSENT
PCNA	ABCAM	rabbit	RRID:AB_444313	ABSENT	ABSENT

Supplementary Table 1: List of primary and secondary antibodies used in experiments, and other primary antibodies used in experiment set-up. In the case of primary antibodies used in experiments, antigen, company, host species, RRID, concentration and performance (and necessity for it) of sample pre-treatment are shown. In the case of secondary antibodies used to detect the binding of primary antibodies, antibody, company, host species, catalog number, RRID, and concentration are shown. Validation of these antibodies is described in the **Life Sciences Reporting Summary**. In the case of other antibodies used in experimental set-up, antigen, company, host species, RRID, and specificity of the signal in the presence or absence of sample pre-treatment are shown. NaBH₄: sodium borohydride. HC-AR: heat-mediated citrate buffer antigen retrieval.