

cDNA Clone	Protein of interest	Permeabilization	Sera dilution	Blocking solution	Commercial antibody	Commercial antibody dilution	Secondary antibodies	Secondary antibodies dilution
NF140 vector courtesy of Dr. Devaux	NF140	No	1/100	Goat 5% in PBS	Chicken NF (AF3235 R&D systems)	1/1000	GAC488 (A11039 Molecular Probes)+ GAH594 (Ab98621 Abcam)	1/1000 +1/1000
pCMV6-NFASC-Myc-DDK (RC228652 Origene)	NF155	No	1/100	Goat 5% in PBS	Chicken NF (AF3235 R&D systems)	1/1000	GAC488 (A11039 Molecular Probes) + GAH594 (Ab98621 Abcam)	1/1000 +1/1000
NF186 vector courtesy of Dr. Devaux	NF186	No	1/100	Goat 5% in PBS	Chicken NF (AF3235 R&D systems)	1/1000	GAC488 (A11039 Molecular Probes) + GAH594 (Ab98621 Abcam)	1/1000 +1/1000
pCMV6-CNTN1-untagged (EX-A1153-M02 Genecopoeia)	CNTN1	No	1/100	Rabbit 1/40 in PBS	Goat CNTN1 (AF904 R&D systems)	1/1000	RAG488 (A11078 Thermo Scientific)+ RAH594 (SA510112 Thermo Scientific)	1/1000 +1/1000
pCMV6-CNTN1-untagged (EX-A1153-M02 Genecopoeia)+ pCMV6-CNTNAP1-untagged (EX-M0417-M02 Genecopoeia)	CNTN1+ CASPR1	No	1/100	Rabbit 1/40 in PBS	Goat CNTN1 (AF904 R&D systems)	1/1000	RAG488 (A11078 Thermo Scientific)+ RAH594 (SA510112 Thermo Scientific)	1/1000 +1/1000
CASPR2 vector courtesy of Dr. Graus	CASPR2	Yes	1/40	Goat 5% in PBS	Rabbit CASPR-2 (Ab33994 Abcam)	1/500	GAR 488 (A11008 Thermo Scientific)+ GAH 594 (Ab98621 Abcam)	1/1000 +1/1000
pCMV6-L1CAM -Myc-DDK (RC211601 Origene)	L1CAM	Yes	1/100	Goat 5% in PBS	Mouse-anti-Myc (CBL430 Millipore)	1/200	GAM 488 (A-11001 Molecular Probes) + GAH594 (Ab98621 Abcam)	1/500 +1/500
pCMV6-NCAM1-C-His (EX-X0019-M77 Genecopoeia)	NCAM1	No	1/100	Goat 5% in PBS	Mouse NCAM (347740 BD Biosciences)	1/1000	GAM 488 (A-11001 Molecular Probes) + GAH594 (Ab98621 Abcam)	1/500 +1/500

Supplementary Table 1. HEK293 cell transfection and ICC conditions.