

Staining round	Primary antibodies	Secondary antibodies
1 st *	PSD95 (mouse)	Alexa 594
	VGluT2 (guinea pig)	Alexa 647
2nd	Gephyrin (mouse)	Alexa 594
	GAD (rabbit)	Alexa 647
3 rd	Bassoon (mouse)	Alexa 594
	Synapsin (rabbit)	Alexa 488
	VGluT1 (guinea pig)	Alexa 647
4th	VGAT (mouse)	Alexa 488
5 th	GluR2 (mouse)	Alexa 594
6th	NMDAR1 (mouse)	Alexa 594
	Tubulin (rabbit)	Alexa 488
Staining round	Primary antibodies	Secondary antibodies
1 st *	Gephyrin (mouse)	Alexa 594
	GAD (rabbit)	Alexa 647
2nd	PSD95 (mouse)	Alexa 594
	VGluT2 (guinea pig)	Alexa 647
3 rd	NMDAR1 (mouse)	Alexa 488
	VGluT1 (guinea pig)	Alexa 594
4th	GluR2 (mouse)	Alexa 488
	Synapsin (rabbit)	Alexa 594
5 th	VGAT (mouse)	Alexa 488
6th	NMDAR2B (mouse)	Alexa 488
	Bassoon (rabbit)	Alexa 594
7 th	NMDAR2A (mouse)	Alexa 488
	Synaptophysin (rabbit)	Alexa 594
8th	GABAARa1 (mouse)	Alexa 488
9 th	Bassoon (mouse)	Alexa 488
10th	MAGUK (mouse)	Alexa 488
	Tubulin (rabbit)	Alexa 594
Staining round	Primary antibodies	Secondary antibodies

1 st *	Bassoon (mouse)	Alexa 594
	Synapsin (rabbit)	Alexa 647
2nd	PSD95 (mouse)	Alexa 488
	Synapsin (rabbit)	Alexa 594
3 rd	Gephyrin (mouse)	Alexa 488
	GAD (rabbit)	Alexa 594