

	Antibody	Target protein	Species	Dilution from stock	Company	Cat#N
01	Anti-Vti1a	Vti1a	Rabbit polyclonal	ICC 1:500	Synaptic System	165 002
02	Anti-Syntaxin 4	Syntaxin 4	Rabbit polyclonal	ICC 1:300	Synaptic Systems	110 042
03	Anti-Syntaxin 6	Syntaxin 6	Rabbit polyclonal	ICC 1:500	Synaptic Systems	110 062
04	GFP, does not have a target protein, see Supplementary Figure 3 for validation of epitope					
05	Anti-Syntaxin 7	Syntaxin 7	Rabbit polyclonal	ICC 1:300	Synaptic Systems	110 073
06	Anti-GM130	GM130	Rabbit polyclonal	ICC 1:300	Sigma-Aldrich	G7295
07	Anti-Endobrevin	Endobrevin	Rabbit polyclonal	ICC 1:300	Synaptic Systems	104 303
08	Anti-TOMM20	Sigma	Mouse monoclonal	ICC 1:200	Sigma-Aldrich	WH0009804M1
09	Anti-Beta-Actin	Beta-Actin	Mouse polyclonal	ICC 1:75	Sigma-Aldrich	A1978
10	Anti-Rab5a	Rab5a	Rabbit monoclonal	ICC 1:250	Abcam	ab199530
11	Anti-Syntaxin 12/13	Syntaxin 12/13	Rabbit polyclonal	ICC 1:300	Synaptic System	110 133
12	Anti-SNAP 25	SNAP 25	Rabbit polyclonal	ICC 1:500	Synaptic Systems	111 002
13	Anti-NFkappaB p65	NLS	Rabbit monoclonal	ICC 1:200	Biomol / Rockland	600-401-271
14	Anti-KDEL	KDEL	Mouse monoclonal	ICC 1:500	Enzo Life Sciences	ADI-SPA-827-F
15	Anti-VAMP 4	VAMP 4	Rabbit polyclonal	ICC 1:300	Synaptic Systems	N136 002
16	Anti-HA	HA-Tag	Goat	ICC 1:250	Novus Biologicals	NB600-362
17	Anti-SNAP25	SNAP25	Mouse	ICC 1:200	Synaptic Systems	111011
18	Anti-Calnexin	Calnexin	Rabbit polyclonal	ICC 1:200	Abcam	Ab22595
19	Anti-GM130	GM130	Mouse monoclonal	ICC 1:200	BD Biosciences	610822 clone 35/GM130
	Anti-TOMM20	TOMM20	Mouse monoclonal	ICC 1:200	Proteintech	11802-1-AP
20	Anti-Rabbit IgG Cy5	Anti-Rabbit IgG	Donkey	ICC1:500	Dianova	711-175-152
21	Anti-Mouse IgG Cy5	Anti-Mouse IgG	Donkey	ICC 1:500	Dianova	SEC-183329
22	Anti-Mouse IgG Star580	Anti-Mouse IgG	Goat	ICC 1:100	Abberior	ST580-1001-500µg
23	Anti-Rabbit IgG Star580	Anti-Rabbit IgG	Goat	ICC 1:100	Abberior	ST580-1002-500µg

Supplementary Table 2. Information about antibodies used for target protein validation purposes.
The first nineteen antibodies listed are primary antibodies. Antibodies 20-23 are secondary antibodies. See Methods section for further information about the staining procedures.