

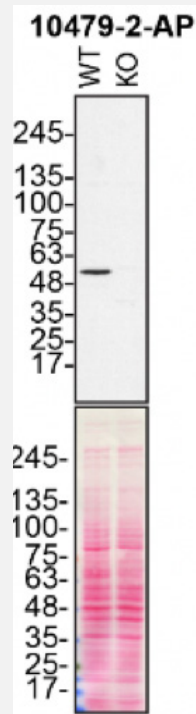
Independent characterization and validation of neuroscience antibodies

Proteintech is collaborating with YCharOS, an independent open science company working to characterize commercially available antibodies. YCharOS uses gold standard genetic validation with CRISPR KO cell lines following standardized methodology. Results and methods are published openly on ycharos.com.

Annexin A11

Catalog No. Function

10429-2-AP Vesicular trafficking protein. Associated with ALS

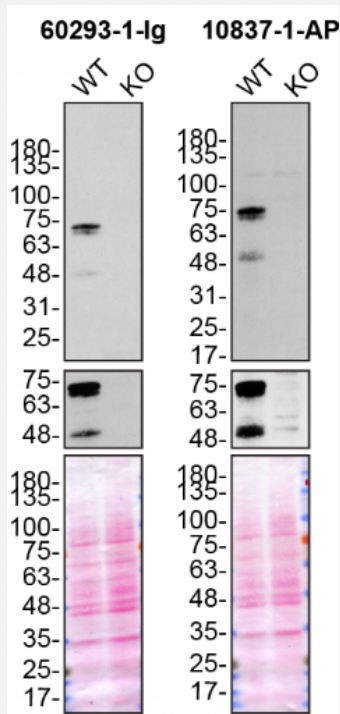


HeLa lysates (WT and ANXA11 KO).
10429-2-AP at 1:2000 dilution.

Optineurin

Catalog No. Function

10837-1-AP, Neuroprotective role in the eye and optic nerve
60293-1-Ig

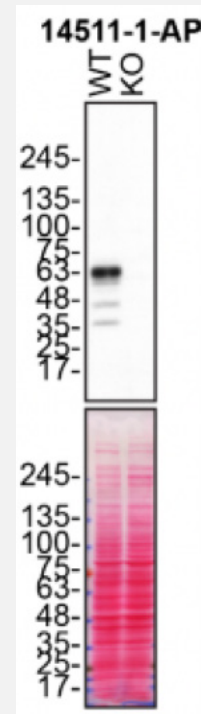


U2OS lysates (WT and OPTN KO).
10837-1-AP and **60293-1-Ig** at 1:500 dilution.

Synaptotagmin

Catalog No. Function

14511-1-AP Calcium sensor, neurotransmitter release

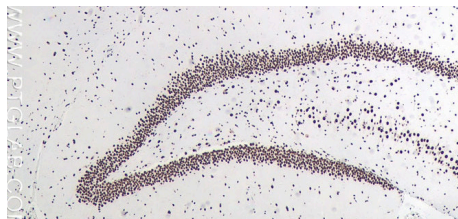


HCT116 lysates (WT and SYT1 KO).
14511-1-AP at 1:500 dilution.

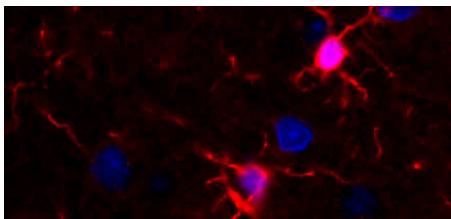
Data collected and analyzed by the team at YCharOS. Led by Dr Carl LaFlamme at McGill University, Canada.

Top selling KD/KO validated antibodies for neuroscience

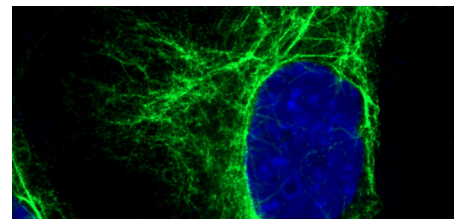
Catalog No.	Target	Clonality	Validated/Cited Applications	Validated/Cited Species	Citations
14418-1-AP	ATP1A1	Polyclonal	WB, IP, IHC, IF	human, mouse, rat	72
12208-1-AP	CREB1	Polyclonal	WB, IP, IHC, IF, FC, ChIP	human, mouse, rat, monkey	41
10727-1-AP	Ferritin light chain	Polyclonal	WB, IHC, IF	human, mouse, rat	47
10849-1-AP	FOXO3A	Polyclonal	WB, IP, IHC, IF, CoIP	human, mouse, rat	50
11570-1-AP	FUS/TLS	Polyclonal	WB, RIP, IP, IHC, IF, FC, CoIP, ChIP	human, mouse, rat	83
22104-1-AP	GSK3B	Polyclonal	WB, IP, IHC, IF, CoIP	human, mouse, rat	184
10904-1-AP	IBA1	Polyclonal	IHC, IF, FC	human, mouse, rat	199
18985-1-AP	iNOS	Polyclonal	WB, IP, IF, FC	human, mouse, rat	246
12855-1-AP	KGA/GAC	Polyclonal	WB, IP, IHC, IF, CoIP	human, mouse, rat	60
11880-1-AP	KLF4	Polyclonal	WB, IP, IHC, IF, ChIP	human, mouse, rat	71
14600-1-AP	LC3	Polyclonal	WB, IP, IHC, IF, FC	human, mouse, rat	397
12186-1-AP	MFN2	Polyclonal	WB, IP, IHC, IF	human, mouse, rat	110
22018-1-AP	N-cadherin	Polyclonal	WB, IP, IHC, IF, FC, CoIP	human, mouse, rat	469
66219-1-Ig	N-cadherin	Monoclonal	WB, IHC, IF	human, pig, mouse, rat	62
19771-1-AP	NLRP3	Polyclonal	WB, IHC, IF, CoIP	human	162
27733-1-AP	OPA1	Polyclonal	WB, IP, IHC, IF	human, rat, mouse	37
10837-1-AP	OPTN	Polyclonal	WB, IP, IHC, IF, FC	human, mouse, rat	64
20665-1-AP	PSD95-Specific, DLG4	Polyclonal	WB, IP, IHC, IF	human, mouse, rat	61
22034-1-AP	PTEN	Polyclonal	WB, IP, IHC, IF, FC	human, mouse	90
14626-1-AP	SHARPIN	Polyclonal	WB, IP, IHC, IF, CoIP	human, mouse, rat	67
10269-1-AP	SOD1	Polyclonal	WB, IP, IHC, IF	human, mouse, rat	138
11064-1-AP	SOX2	Polyclonal	WB, IHC, IF, FC	human, mouse, rat, zebrafish	132
11565-1-AP	STIM1	Polyclonal	WB, IP, IHC, IF, FC	human, mouse	51
10782-2-AP	TDP-43	Polyclonal	WB, RIP, IP, IHC, IF, IEM, FC, CoIP, ChIP	human, mouse, human, mouse, rat, zebrafish	1219
12892-1-AP	TDP-43 (C-terminal)	Polyclonal	WB, IP, IHC, IF, CoIP, ChIP	human, mouse, rat	133
14730-1-AP	UCHL1/PGP9.5	Polyclonal	WB, IHC, IF, CoIP	human, mouse, rat	49
11444-1-AP	VCAM-1	Polyclonal	IHC, IF, FC	human,	61
10366-1-AP	Vimentin	Polyclonal	WB, IP, IHC, IF, FC, CoIP	human, mouse, rat	738
60330-1-Ig	Vimentin	Monoclonal	WB, IP, IHC, IF, FC	human, mouse, rat	78



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using **TDP-43 IHCeasy Kit** (KHC0001).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using **CoraLite@594 IBA1** antibody (CL594-10904) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using **Vimentin** antibody (10366-1-AP) at 1:50 dilution.