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List of IHC/WB antibodies, RT-PCR probes and software used

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carmela.giachino¹

¹Institut Imagine, INSERM UMR1163 Paris Cite' University, 24 boulevard du Montparnasse, 75015, Paris, France.



carmela giachino

institut imagine

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We use this protocol and it's working

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Grant ID: ASAP-000420

Abstract

This protocol details list of antibodies used for immunohistochemistry and western blot.

Attachments



[k4dtb48if.docx](#)

19KB

Materials

Table 1. List of antibodies used for immunohistochemistry and western blot.

A	B	C	D
A	B	C	D
Antibody name	Company	Dilution	RRID
CCR2, goat polyclonal	Thermo Fisher Scientific	0.388889	AB_557978
CD11b, rabbit	Abcam	0.736111	AB_2650514
CD11b, rat	Biolegend	0.388889	AB_312784
CD3, mouse	Santa Cruz Biotechnology	0.388889	AB_2228831
CD4, rat	Bio-Rad	0.25	AB_1898234
CD68, rat	Bio-Rad	0.25	AB_2074849
DAT, rabbit	Proteintech	0.180556	AB_2879116
GFAP, mouse	Sigma	0.215278	AB_2827276
GFAP, rabbit	sigma	0.736111	AB_2905668
GSK-3 β , mouse	ECM Biosciences	0.180556	AB_2115216
HuD+HuC, rabbit	Abcam	0.319444	AB_2864321
Iba-1, goat polyclonal	Abcam	0.180556	AB_870576
Iba-1, rabbit polyclonal	Wako	0.388889	AB_2889406
iNOS, mouse	Cell signaling technology	0.180556	AB_1078202
LRRK2, rabbit	clone 41-2, Abcam by MJFF	0.736111	AB_2713963
MAP2, rabbit	Cell Signaling	0.388889	AB_10693782
NeuN, rabbit	Abcam	0.736111	AB_2716282
Nurr1, goat polyclonal	R&D	0.25	AB_2153894
phospho-alpha-Synuclein (Ser129), rabbit monoclonal (clone LS4-1B1)	Millipore	0.736111	AB_673008

	A	B	C	D
	phospho-GSK-3β (p-Tyr216), rabbit	Abcam	0.388889	AB_2533691
	Phospho-LRRK2-S935, rabbit	Abcam by MJFF	0.736111	AB_2864018
	phospho-Tau (pSer396), rabbit polyclonal	Sigma aldrich	0.180556	AB_261757
	phospho-Tau (pThr181)	Thermo Fisher scientific	0.180556	AB_1087704
	Tau, mouse	RayBiotech	0.180556	AB_11217610
	TH, mouse	STEMCELL Technologies	0.180556	AB_215512
	TH, rabbit	Pel-Freez	0.180556	AB_2313713
	TH, sheep	Pel-Freez Biologicals	0.180556	AB_2935637
	TH, sheep	Pel-Freez Biologicals	0.736111	AB_461070
	TUBB3, mouse	Biolegend	0.319444	AB_2313773
	α-syn (C-20)-R, rabbit	Santa Cruz Biotechnology	0.180556	AB_2192953
	α-syn aggregate, MJFR-14-6-4-2, rabbit	Abcam	Jan-00	AB_2714215
	β-actin, rabbit	Cell Signaling	0.736111	AB_10694076

Table 2. List of probes and IDs used for quantitative Real time PCR.

	A	B
	PROBES	IDs
	Casp6	Mm00438053-m1
	CCI3	Mm 00441258-m1
	CxCI10	Mm 00445235-m1
	CxCI11	Mm00444662-m1
	Drd1a	Mm01353211-m1



	Drd2	Mm00438545-m1
	Foxa2	Mm01976556-s1
	GAPDH	Mm99999915-g1
	Gfap	Mm 00546086-m1
	Gp91phox	Mm01287743-m1
	GSK3b	Mm00444911-m1
	IL-10	Mm12088386-m1
	IL-17	Mm00439618-m1
	IL-18	Mm00434226-m1
	Il1b	Mm00434228-m1
	IL-4	Mm00445259-m1
	Itgam (Mac1)	Mm 00434455-m1
	LRRK2	Mm00481934_m1
	Map2	Mm00485231-m1
	Nfkb1	Mm00476361-m1
	Nos 2	Mm 00440485-m1
	Nurr 1	Mm 00443056-m1
	Slc6a3 (Dat)	Mm 00438388-m1
	Tau (Mapt)	Mm00521988-m1
	Th	Mm 00447546-m1
	Tnf	Mm00443258-m1
	Tnfrsf1b	Mm00441875-m1
	α -syn (SNCA)	Mm00458965-m1

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1 **Table 1.** List of antibodies used for immunohistochemistry and western blot.

A	B	C	D
Antibody name	Company	Dilution	RRID
CCR2, goat polyclonal	Thermo Fisher Scientific	1:500	AB_557978
CD11b, rabbit	Abcam	1:1000	AB_2650514
CD11b, rat	Biolegend	1:500	AB_312784
CD3, mouse	Santa Cruz Biotechnology	1:500	AB_2228831
CD4, rat	Bio-Rad	1:300	AB_1898234
CD68, rat	Bio-Rad	1:300	AB_2074849
DAT, rabbit	Proteintech	1:200	AB_2879116
GFAP, mouse	Sigma	1:250	AB_2827276
GFAP, rabbit	sigma	1:1000	AB_2905668
GSK-3 β , mouse	ECM Biosciences	1:200	AB_2115216
HuD+HuC, rabbit	Abcam	1:400	AB_2864321
Iba-1, goat polyclonal	Abcam	1: 200	AB_870576
Iba-1, rabbit polyclonal	Wako	1:500	AB_2889406
iNOS, mouse	Cell signaling technology	1: 200	AB_1078202
LRRK2, rabbit	clone 41-2, Abcam by MJFF	1:1000	AB_2713963
MAP2, rabbit	Cell Signaling	1:500	AB_1069378 2
NeuN, rabbit	Abcam	1:1000	AB_2716282
Nurr1, goat polyclonal	R&D	1:300	AB_2153894

A	B	C	D
phospho-alpha-Synuclein (Ser129), rabbit monoclonal (clone LS4-1B1)	Millipore	1:1000	AB_673008
phospho-GSK-3 β (p-Tyr216), rabbit	Abcam	1:500	AB_2533691
Phospho-LRRK2-S935, rabbit	Abcam by MJFF	1:1000	AB_2864018
phospho-Tau (pSer396), rabbit polyclonal	Sigma aldrich	1:200	AB_261757
phospho-Tau (pThr181)	Thermo Fisher scientific	1:200	AB_1087704
Tau, mouse	RayBiotech	1:200	AB_11217610
TH, mouse	STEMCELL Technologies	1:200	AB_215512
TH, rabbit	Pel-Freez	1:200	AB_2313713
TH, sheep	Pel-Freez Biologicals	1:200	AB_2935637
TH, sheep	Pel-Freez Biologicals	1:1000	AB_461070
TUBB3, mouse	Biolegend	1:1000	AB_2313773
α -syn (C-20)-R, rabbit	Santa Cruz Biotechnology	1:200	AB_2192953
α -syn aggregate, MJFR-14-6-4-2, rabbit	Abcam	1/5000	AB_2714215
β -actin, rabbit	Cell Signaling	1:1000	AB_10694076

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A	B
CxCl10	Mm 00445235-m1
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Drd2	Mm00438545-m1
Foxa2	Mm01976556-s1
GAPDH	Mm99999915-g1
Gfap	Mm 00546086-m1
Gp91phox	Mm01287743-m1
GSK3b	Mm00444911-m1
IL-10	Mm12088386-m1
IL-17	Mm00439618-m1
IL-18	Mm00434226-m1
Il1b	Mm00434228-m1
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Itgam (Mac1)	Mm 00434455-m1
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Nfkb1	Mm00476361-m1
Nos 2	Mm 00440485-m1
Nurr 1	Mm 00443056-m1
Slc6a3 (Dat)	Mm 00438388-m1
Tau (Mapt)	Mm00521988-m1
Th	Mm 00447546-m1
Tnf	Mm00443258-m1
Tnfrsf1b	Mm00441875-m1
α -syn (SNCA)	Mm00458965-m1



3 **Table 3** List of software

	A	B	C
	Software name	Version	URL
	ImageJ	1.53t	https://imagej.net/
	Luminex xPONENT	4.3	https://www.luminexcorp.com/xponent/
	Bio-Plex Manager	6.2	http://www.bio-rad.com/en-us/product/bio-plex-manager-software-standard-edition
	ImageQuantity One	4.6	http://www.bio-rad.com/en-us/product/quantity-one-1-d-analysis-software
	GraphPad Prism	9	http://www.graphpad.com/