**Supporting Information for** 

## Peripherin-Reactive Antibodies in Mouse, Rabbit and Human Blood

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## **Supplementary Figures**

**Figure S1.** Identification of the 58 kDa proteins as peripherin by mass spectrometry. MS analyses revealed that peptide masses from all three proteins (Spots a, b, and c) matched the rat protein peripherin. The identified peptides covered up to 57 % (spot b) of the total protein sequence resulting in scores > 1500 (score of > 69 is significant).

## Figure S1

1.	<u>n1165</u>	8141A	Marca 5.3	631 <b>Soco</b>	ner 1443 - g	peries	witched	49	
	perip	berin (Datt:	na horvegin	cra]					
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	Course	Observation	Metalanti	We (earlied	Tellia Misa	Leven	Torrand	Dank 1	Deniel de
	50	(04.20	955.36	951.57	1.51 1	42	0.054	1 1	R. DELETI SN. E
	112	540.06	1095.70	1094.50	1.20 0	7.4	5.16-005	1.1	K. YRDARDRANR, N 135
	114	569.90	1102.26	1101.57	1.59 0	e) 51	1.40-006	11	R. DELAIR LOADE. O 117 118 R. ENDERLINEE. M
	151	573.40	1144.78	1145.55	1.23 0	6.6	0.00075	1	K. GRUGELING P. 100
	200	596.20	1190.38	1169.63	1.75 0	75	4.5e-005	1	R. ELEOCHANLE, C
	246	631.56	1261.11	1253.59	1.52 0	11	0.00015	1	R. ADGLODGEDR. B <u>243</u>
65	281	646.85	1205.00	1208.60	1.35 0	66	0.00041	11	E MALDIE LATYN, R <u>288 282</u> E MLEKSERYCE, S
	300	672.49	1342.50	1341.67	1.31 0	80	\$ 40-000	- î - î	R. EDAEMINING R. R 200
<u> </u>	441	724.57	1467.13	1465.74	1.40 0	52	0.5 <b>6</b> 000	1 1	K. TENDE ELEFIK. K
<u> </u>	482	Y50.23	1459.45	1497.37	0.58 1	68	0.00025	11	K KRIMENHAVLEK K 190
	24/	797.99	1510.03	1517.75	9.14 1	43	4.24 006	- 11	K - G FURTHOWN REPORT OF A STATE OF A
	596	730.51	1595.01	1593.03	1.17 1	5.0	3.16-000	1	K. KIESIRDELKEUA, K. S. 1
	531	614.52	1627.03	1625.86	1.17 2	53	C.DOVE	1 1	R. KERIDARIBU VLUR. K
	842	640.12	1678.22	1677.80	0.42 0	44	0.036	- 1 -	K. I FYJEVERO (LISUS), K. <u>291 (16</u>
	572	1005.96	2003.31	2008.55	0.00 0	118	28-005	- i i	R. ELEBOTALEASTYCAGAAA. L 970 371 976 576
	595	1015.09	2028.17	2027.96	0.21 0	117	2.56-005	1	R THEORY REPORT AND
	1085	¥15.65	2143.93	2142.09	1.54 2	62	0.0005	1 1	N. DOLARD LOALSOCHEDRO. S
	1487	1056.04	2601.01	3193.53	1.63 2	84	3 34-006	1	R. HIAKARINALASIK ANDONANAN NA TANA NA
									N. DECHARGE OF BERNARD BERNARD, D 2100 2100 2100
1.	of 1698	1416	Mass: 58	631 Scot	rei 2232 i	Operies	natcheái	37	
	peripherin (Sattus norveginus)								
	Check	to include	this hit :	in error to	ierant sea	noh or	andhive y	eport.	
Spot b	Quarty	Observed	Mr (expt)	Mr(asla)	Delta Miss	Score	Expect.	Rank	Peptide
	43	494-12	506-24	901.57	1.66 1	69	0.00022	1	R.BELECIOR.B
		436.38	591.94	993.46	1.47 0	70	0.00018	1	K. OVIOATISR. 1
	112	562.11	1102.21	1101-57	1.64 0	63	0.00083	- 1	R. DELARDIZARY, N THE
	182	569.97	1117.92	1117.57	0.35 0	52	0.011	1	R. LLOSGSPSSSAR. L 133 134
	15.2	560.19	1134.16	1134.59	-0.40 0	64	0.00076	1	R. HVQRLINVK. M
	161	573.34	1144.60	1143.55	1.12 0	63	0.00001	-	K QELQELEDR. D
	264	630.73	1259.44	1259.59	-0.16 0	65	0.00053	- î.	R.FLDQVRALL.S R.ADOLCOCKLI, E 265
	28.9	649.16	1296-11	1291.66	1.45 0	113	6.86-009	1	K. HALDIELATED. X 100 201 205
	383	655.34	1308.66	1003.60	0.06 0	63	0.00027	1	K.SLQEARENYS. 5 301
	32.7	671.76	1341.50	1341.67	-0.17 0	02	9.36-005	- 1	R.EDZENNLVIJER.X
	912	743.53	1405.64	1403.04	1.00 0	74	5.40-005	1	R - EKIMUKI KALK - K <u>472</u> R - TSUWINSPASI SI K - 7 494
	500	750.21	1498.40	1497.77	0.63 1	37	0.3	1	K BEDAEHNUVLER K
	622	759.79	1517.57	1517.75	-0.18 = 0	88	1.6e-005	1	R.QEQSITCEVEGER.S 525
	555	515.15	1542.40	1543.04	1.59 1	50	D.014	-	R. HISHYGHLEVK.M
	616	798.12	1594.12	1593.83	0.40 1	121	1.10-003	- 1	R. REPERDENTIAL & COR
	851	814.23	1826.45	1625.86	0.58 2	72	9.6c-005	- i	R. EREDAEDHIVLER. K 252 050
	705	508.89	1673.66	1675.85	-0.20 1	60	0.0010	1	R.SQTQSLTCENDER.G.710
	726	840.35	1678.69	1677.80	0.90 0	YU.	0.00015	1	K. TYVEVEPPOSISE. K 324 220 225 231
	013	605.50	1922.35	1721.93	1.05 1	62	0.0009	1	R. KIRSLINDE TEPLER, L. 255 K. YADI SIAANENIITALE, O
	919	979.37	1556.72	1951.95	1.77 0	101	18-007	1	B. LOPSKAEALSCEPLATE. 5 253 254 185 255 257 258 1001
	1083	1006.01	2010-01	2003.95	1.06 0	127	2.36-010	1	B. ELEEGFALEAGYGAGAAR, L 1026 1027 1029 1030 1031 1032 1034 1035 1038 1037
	1063	1015.40	2020.70	2027.96	0.03 0	73	Ge-005	1	R. TFGD7P515DGAF5Y5555R. F 1061
	1455	868.27	2601.77	2142.09	1.51 2	49	0.0043	1	K. NLOPARENYXSY'ADISDANE. N
	1688	1055.13	\$195.38	8193.68	1.69 0	129	1.10-010	1	R. DLOVSVESOOVOOVEVENTVKPELTAALS. D 1502 1503 1504 1505 1506 1507 1509 1500 1501
1.	911695	1416	Maga:	53631 3	Scope: 198	9 24	eries na	tched	i: 42
	periph	erin [Rati	tus norve	gicus]					
	Check	to include	e this his	t in error	r tolerant	searc	h or are	hive	recort
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	Ouers	Chaerved	Mr (capt.)	Mr (cale	5 Delta	Niss	Score 1	Experie	t Raak Perotide
	23	467.33	932.65	5 931.4	6 1.18	D	62	0.001	1 1 K.LLEGRESR.I
	71	496.72	991.42	990.4	6 0.96	D	77 3.	6e-00	5 1 K.DVDOATLSR.L
	1.5.8	549.03	1095.00	1094.5	1.54		51	<b>U</b> .U	1 1 E. YADLSBAARE, N
	166	551.80	1101.58	8 1100.5	7 1.01	D	52	0.01	2 1 B.DCLAEDICALK.Q
otc	188	560.45	1118.85	1117.5	1.32		53	0.008	3 1 D. LLGSCSDSSSAR, L 187
	211	573 49	1135.95	1134.2	5 1.33		- 00 - 66 - 0	0.004	S I REALINYS.M
	274	595.86	1189.72	1188.6	3 1.09		75 5	1e-00	5 1 B. FLECOMAALD G
	359	630.79	1259.57	1259.5	9 -0.03	D	56	0.003	1 8. ADOLCOOFI 8. R 261
	107	648.07	1294.12	1294.0	6 -0.54	D	104 6.	4e-00	8 1 E.MALDIEIATYR.X 423
	459	672.52	1343.03	1341.8	1.38		29 2.	6e-00	5 1 R.EDARHNLVLPR.K
Ø	542	734.61	1467.20	1465.7	4 1.46	D	101 1.	1e-00	7 1 K.IESLNDEIEFLK.K.
	883	750.55	1499.05	1497.7	1.32	1	46	0.0	4 1 K. REDARHNIVLPR . K
	274	709.98	1017.95	1617.7	0.20		89 1.	00-on	5 1 R. QUQSLICEVDOLARS 5 1 F. TRANSFERING I
	336	798.35	1595.75	1593.8 1503.8	5 0.85 3 1.90	1	124 5	0.2 4a-63	0 1 B. KINSLADETEVIK.K
	381	543.60	1627.75	1625.8	6 1.93	2	42	0.07	9 1 B. KREDAEHNLVLPR. K
	260	840.15	1678.25	1677.8	0.49	Ď	41	0.1	2 1 K. TUVPEVEDEQUSHER. K
	1335	979.22	1956.42	1954.9	5 1.48	D	105 3.	6e-00	8 1 B. LOPSMARALNORFLATE, S 1324 1326 1327 1338
	1368	1005.82	2009.62	2008.9	5 0.67	0	117 2.	3e-00	9 1 R. ELEBORALEAGOTQASAAR. 1 1370 1371 1372 1573 1374 1376 1378
	1399	1015.27	2028.52	2027.9	6 0.35		64 0	.0004	7 1 R.TFOPPPSLSPGAFSYSSSSR.F
	2046	1066.10	3195.25	3193.6	s 1.60	0	110 7.0	8e-60	# B. DEGVSVESGGVGQVEVEATVEIELTAALR. D 2011 2003 2014 2015 2007 2018

**Figure S2.** PRPH is not present in insulin<sup>+</sup> cells. Staining of C57BL/6 mouse pancreas for PRPH revealed that PRPH<sup>+</sup> cells are present on the border of islets

and in neuroinsular complexes (NIC). However, no cells were positive for both PRPH and insulin. Bars = 20  $\mu m.$ 

## Figure S2



