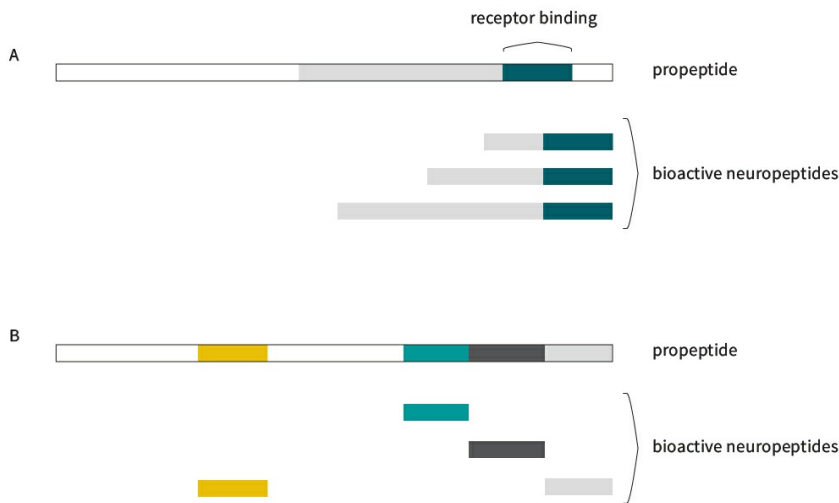


CGRPs mRNAs (Amara et al., 1982)

3A (Rehfeld et al., 2008)
proCCK CCK-33 CCK-12 CCK-8 -28 -14 (Albrechtsen and Rehfeld, 2021)

Differential processing of neuropeptides



3

A

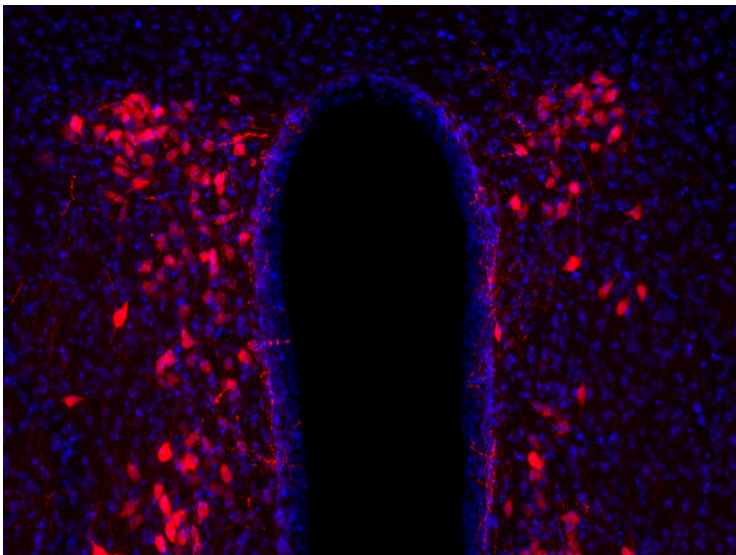
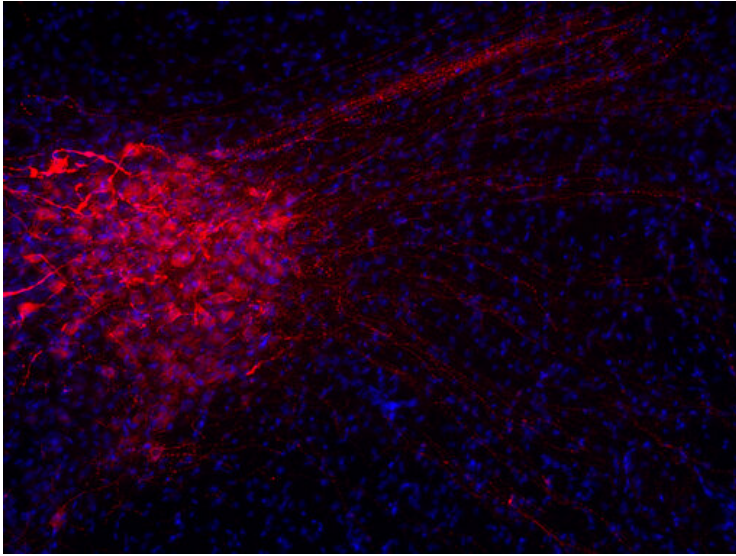
B

3B (Albrechtsen and Rehfeld, 2021)

XXX

(Russo, 2017)

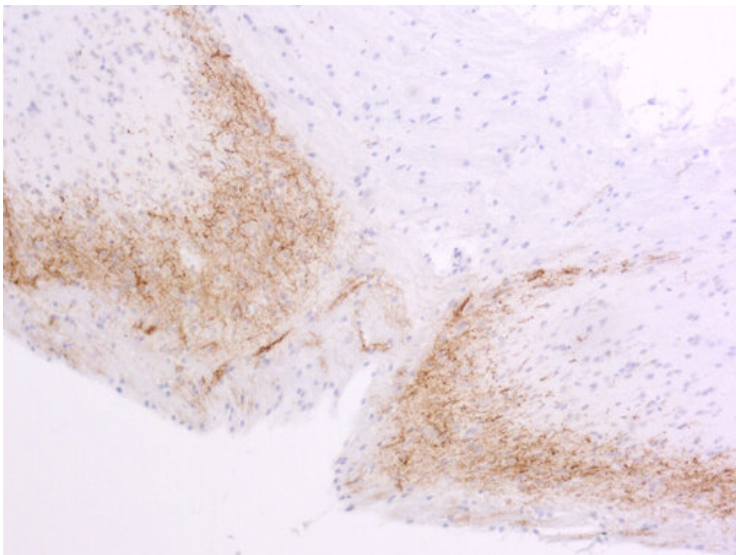
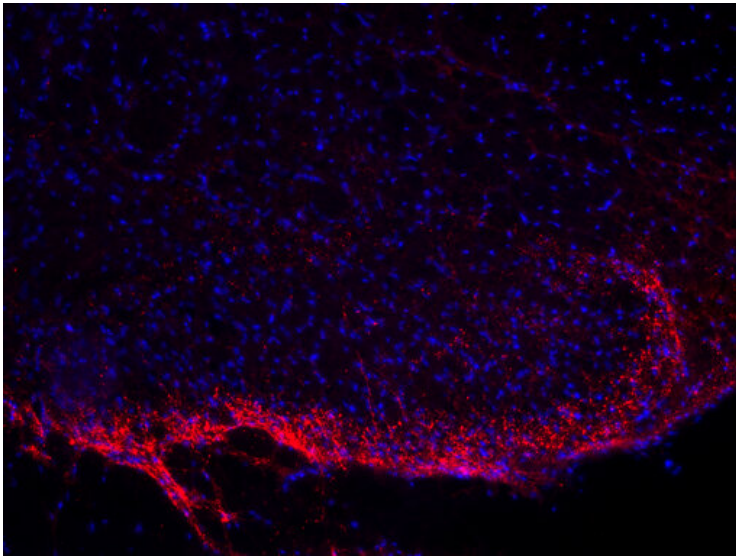
9 4A 4B IHC 7 (Mains and Eipper, 1999)



4A [cat. no. 403 004](#), 1:500, PFA, DAPI

4B [cat. no. 408 004](#), 1:500, PFA, DAPI

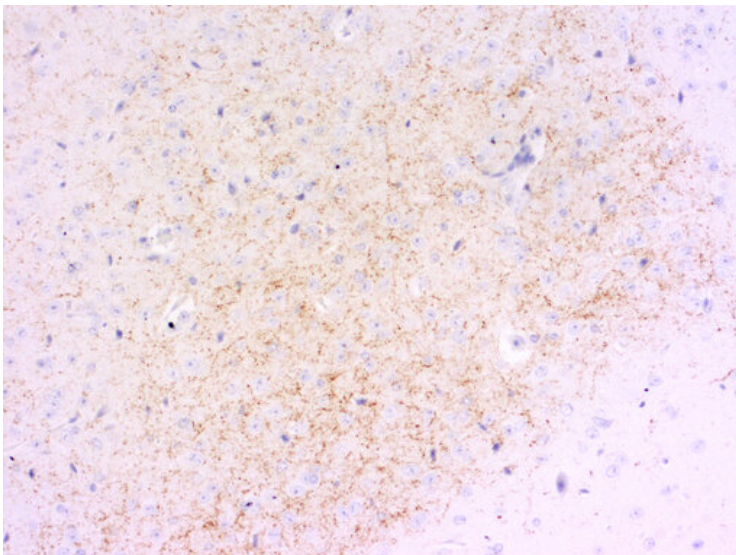
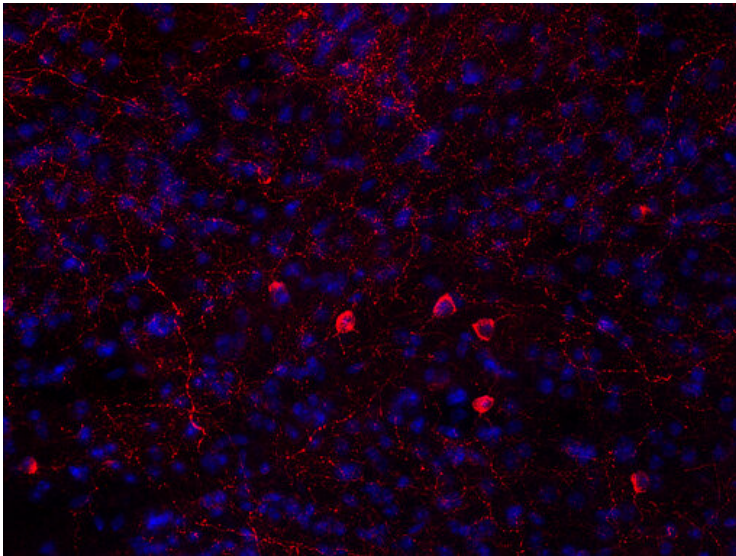
(Hökfelt et al., 2003) CGRP
(Edvinsson et al., 2018, Russo, 2015)



5A (cat. no. 459 005, 1:500) PFA DAPI

5B (cat. no. 414 004, 1:1000, DAB) PFA

Y6A6B IHC (Hökfelt et al., 2003)



6A - γ (cat. no. 394 006, 1:500, PFA) DAPI (10mM Tris, 1mM EDTA, pH 9.0, 60°C)

6B - (cat. no. 446 004, 1 : 1000, DAB) PFA

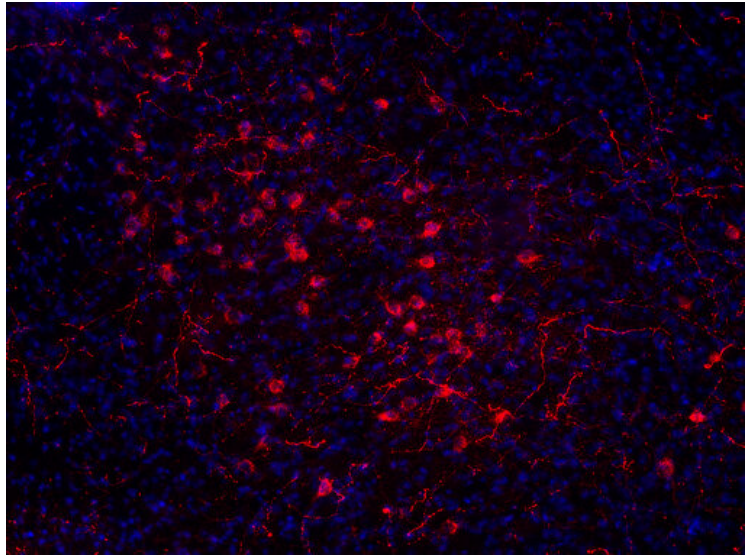
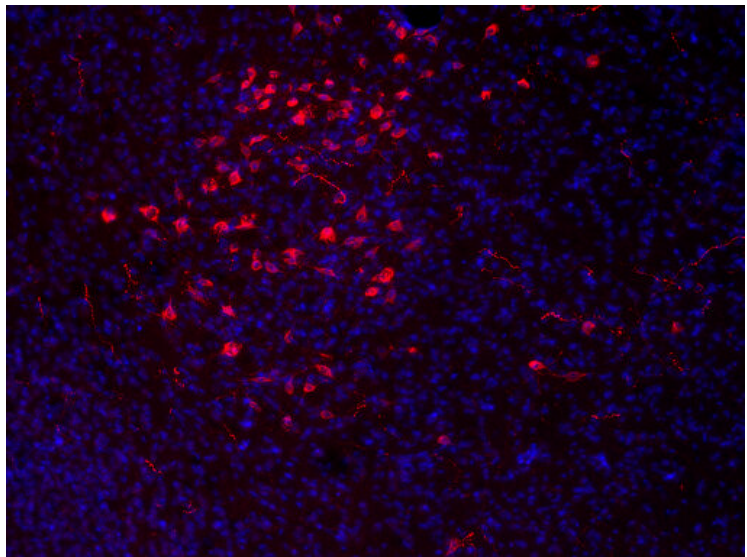
ACTH	(Gallo-Payet, 2016)
AGRP	(Ilnytska and Argyropoulos, 2008)
CART	(Rogge et al., 2008)
CCK-8	(Lee and Soltesz, 2011)
CGRP	(Benarroch, 2011)
CRF	(Vitoratos et al., 2006)
Galanin	/ (Lang et al., 2015)
Neuropeptide S	(Grund and Neumann, 2019)
Neuropeptide Y	(Reichmann and Holzer, 2016)
Neurotensin	(Saiyasit et al., 2018)

Orexin	XXXXXXXXXXXXXXXXXXXX(Nixon et al., 2015)
Oxytocin	XX(Le et al., 2009)
Somatostatin	XXXXXXXXXXXXXXXXXXXX(Gehete et al., 2010)
Substance P	XX(Schank and Heilig, 2017)
Vasopressin	XXXXXXXXXXXXXXXXXXXX(Caldwell et al., 2008)
VIP	XX(Iwasaki et al., 2019).

XXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX7A7B IHCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX(Hökfelt et al., 2003)



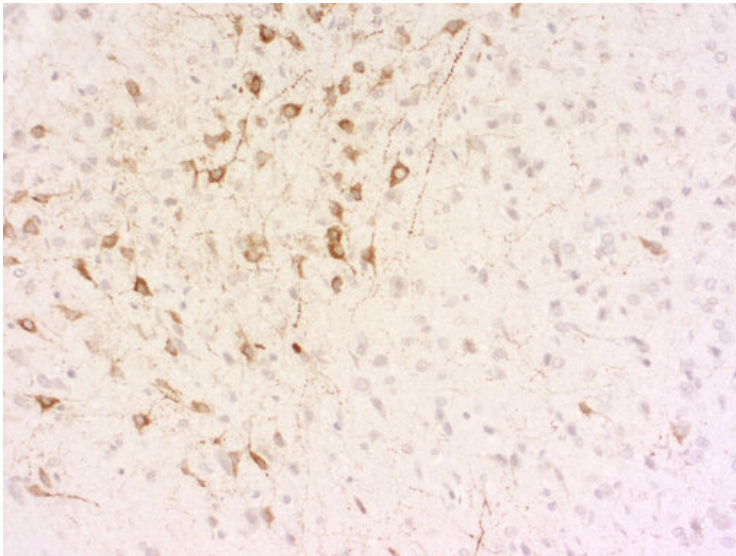
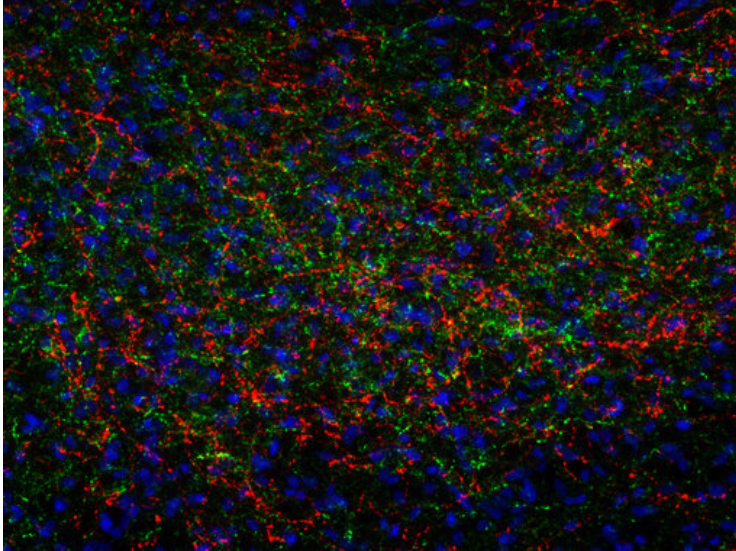
7A XXXXX-XXXXA(cat. no. 389 004, XXXX1:500, XX) XXXPFAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDAPIXXXXXXXXXX

7B XXXXX-XXXXA/B(cat. no. 389 104, XXXX1:500, XX) XXXPFAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDAPIXXXXXXXXXX

XXXXXXXXXX70XX(Hökfelt et al., 2003)
XX(Sevivas and Fresco, 2022, Vandervorst et al., 2021)

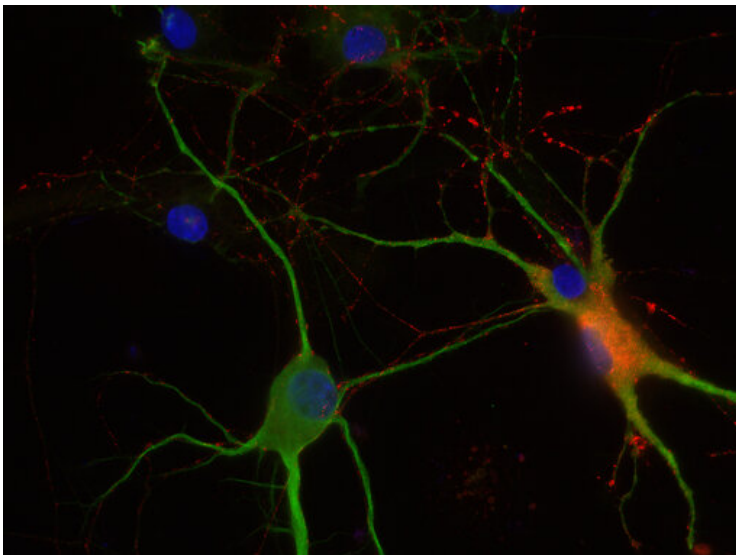
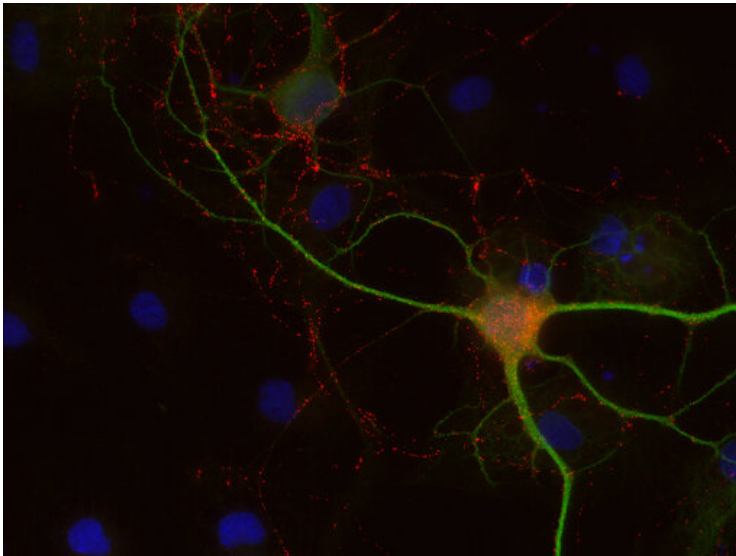
Figure 1

Immunofluorescence (IF) and immunohistochemistry (IHC) analysis of mouse brain tissue. The top panel shows IF staining for 8A (red), 8B (green), and DAPI (blue). The bottom panel shows IHC staining for 8A (brown) and DAPI (blue).



8A (cat. no. 452 005, 1:500, red) and 8B (cat. no. 394 006, 1:500, green) were stained with DAPI (blue) in mouse brain tissue.

8B (cat. no. 366 004, 1:500, DAB) was stained with DAPI (blue) in mouse brain tissue.



8C8 (cat. no. 438 004, 1:500, FFPE) MAP 2 (cat. no. 188 002, 1:1000, FFPE) PFA (cat. no. 188 002, 1:1000, FFPE) DAPI

8D8 (cat. no. 443 005, 1:100, FFPE) MAP 2 (cat. no. 188 002, 1:1000, FFPE) PFA (cat. no. 188 002, 1:1000, FFPE) DAPI

SYSY Antibodies

Cat. No.	Product Description	Application	Quantity	Price	Cart
452 005	ACTH, Guinea pig, affinity	IHC IHC-P (FFPE)	50 µg	US\$465.00	
438 004	CCK-8, Guinea pig, antiserum	ICC IHC IHC-P (FFPE)	100 µl	US\$375.00	
414 004	CGRP, Guinea pig, antiserum	ICC IHC IHC-P (FFPE) iDISCO Clarity	100 µl	US\$370.00	
414 017	CGRP, rat, IgG K.O.	IHC IHC-P (FFPE)	100 µg	US\$420.00	
259 002	Chromogranin A, rabbit, antiserum	WB	200 µl	US\$360.00	
259 003	Chromogranin A, rabbit, affinity K.O.	WB ICC IHC IHC-P (FFPE)	50 µg	US\$460.00	
259-0P	Chromogranin A, control protein		100 µg	US\$110.00	
259 103	Chromogranin B, rabbit, affinity K.O.	WB ICC IHC IHC-P (FFPE) EM	50 µg	US\$380.00	

259-1P	Chromogranin B, control protein		100 µg	US\$110.00
529 004	CRF, Guinea pig, antiserum	ICC IHC	100 µl	US\$370.00
446 004	Galanin, Guinea pig, antiserum	ICC IHC IHC-P (FFPE)	100 µl	US\$370.00
468 003	Ghrelin, rabbit, affinity	IHC IHC-P (FFPE)	50 µg	US\$380.00
514 003	GIP, rabbit, affinity	IHC IHC-P (FFPE)	50 µg	US\$380.00
471 005	GLP-1, Guinea pig, affinity	Dot blot IHC IHC-P (FFPE)	50 µg	US\$465.00
471 203	GLP-2, rabbit, affinity	Dot blot IHC IHC-P (FFPE)	50 µg	US\$380.00

Result count: 30

Beate Friedrich

Beate Friedrich



Albrechtsen

Albrechtsen and Rehfeld, 2021: On premises and principles for measurement of gastrointestinal peptide hormones. [PMID: 33811948](#)

Amara et al., 1982: Alternative RNA processing in calcitonin gene expression generates mRNAs encoding different polypeptide products. [PMID: 6283379](#)

Benarroch, 2011: CGRP: sensory neuropeptide with multiple neurologic implications. [PMID: 21768598](#)

Burbach, 2011: What are neuropeptides? [PMID: 21922398](#)

Caldwell et al., 2008: Vasopressin: behavioral roles of an "original" neuropeptide. [PMID: 18053631](#)

Edvinsson et al., 2018: CGRP as the target of new migraine therapies – successful translation from bench to clinic. [PMID: 29691490](#)

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- Iwasaki et al., 2019: Recent advances in vasoactive intestinal peptide physiology and pathophysiology: focus on the gastrointestinal system. [PMID: 31559013](#)
- Kastin, 2000: What is a neuropeptide? [PMID: 10675912](#)
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- Nixon et al., 2015: Sleep disorders, obesity, and aging: the role of orexin. [PMID: 25462194](#)
- Rehfeld et al., 2008: The cell-specific pattern of cholecystokinin peptides in endocrine cells versus neurons is governed by the expression of prohormone convertases 1/3, 2, and 5/6. [PMID: 18096669](#)
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- Rogge et al., 2008: CART peptides : regulators of body weight, reward and other functions. [PMID: 18802445](#)
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- Russo, 2017: Overview of neuropeptides: Awakening the senses? [PMID: 28485842](#)
- Saiyasit et al., 2018: Potential roles of neurotensin on cognition in conditions of obese-insulin resistance. [PMID: 30279001](#)
- Schank and Heilig, 2017: Substance P and the Neurokinin-1 Receptor: The new CRF. [PMID: 29056150](#)
- Sevivas and Fresco, 2022: Treatment of resistant chronic migraine with anti-CGRP monoclonal antibodies: a systematic review. [PMID: 35659086](#)
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- Van den Pol, 2012: Neuropeptide transmission in brain circuits. [PMID: 23040809](#)
- Vandervorst et al., 2021: CGRP monoclonal antibodies in migraine: an efficacy and tolerability comparison with standard prophylactic drugs. [PMID: 34696711](#)
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