

RCAN1 Polyclonal Antibody

Catalog NumberPA5-23028

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Rat
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:1,000
Immunogen	Synthetic peptide made to an internal portion of the human protein (within residues 210-252).	Western Blot (WB)	2 µg/mL
		Immunocytochemistry (ICC/IF)	Assay-Dependent
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 1 publications below
Concentration	1 mg/mL	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Purification	Antigen affinity chromatography		
Storage buffer	PBS with 30% glycerol		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

The target sequence has 92% sequence homology with rat.

Background/Target Information

The RCAN1 protein interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses.

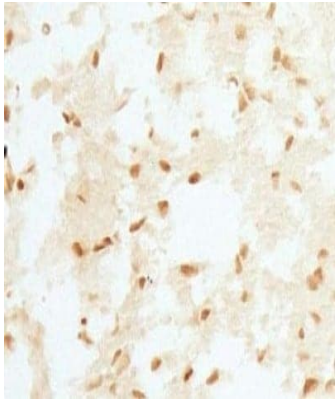
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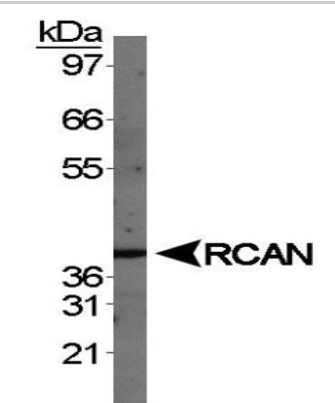
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Product Images For RCAN1 Polyclonal Antibody



RCAN1 Antibody (PA5-23028) in IHC (P)
Immunohistochemical analysis of RCAN1 in human fetal brain. Samples were incubated in RCAN1 polyclonal antibody (Product # PA5-23028).



RCAN1 Antibody (PA5-23028) in WB
Western blot analysis of RCAN1 in RCAN in human fetal brain. Sample was incubated in RCAN1 polyclonal antibody (Product # PA5-23028).

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PubMed References For RCAN1 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-23028 was used in Western Blotting to explore the effects of ovariectomy and oestrogen supplementation on the aorta in rats, and investigate the mechanism for perimenopausal hypertension in rats ; in order cogenerate potential hormone therapy treatment to protect vessels in menopause.
Rat / 1:1000	Lipids in health and disease (2020; 19:) "The imbalance in the aortic ceramide/sphingosine-1-phosphate rheostat in ovariectomized rats and the preventive effect of estrogen." Author(s):Li Y,Zhang W,Li J,Sun Y,Yang Q,Wang S,Luo X,Wang W,Wang K,Bai W,Zhang H,Qin L PubMed Article URL: http://dx.doi.org/10.1186/s12944-020-01279-7

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