

## Anti-Relaxin-3 RLN3 Antibody

Catalog Number: A05495

### About RLN3

Relaxin-3 (RLN3) is a member of Relaxin family, a group of endocrine and autocrine/paracrine hormones that belong to the insulin gene superfamily (1,2). RLN3 can bind to and activate three relaxin-family peptide receptors: RXFP1, RXFP3, and RXFP4 (3). In contrast to the widespread expression of the related proteins RLN1 and RLN2, RLN3 is predominantly expressed in brain and to a lesser extent in the thymus, kidney and spleen (1). RLN3 has been suggested to play a role in feeding, metabolism, stress, arousal, learning, and memory (4).

### Overview

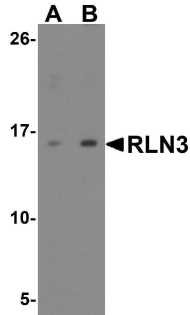
Product Name	Anti-Relaxin-3 RLN3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Relaxin-3 RLN3 Antibody (Catalog # A05495). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RLN3 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RLN3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8WFX3

### Technical Details

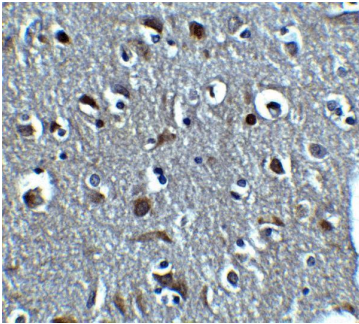
Immunogen	RLN3 antibody was raised against a 19 amino acid peptide near the center of human RLN3. The immunogen is located within amino acids 80 - 130 of RLN3.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	RLN3 antibody is human specific. RLN3 antibody is predicted to not cross-react with other members of the Relaxin protein family.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	RLN3 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RLN3 antibody can be used for detection of RLN3 by Western blot at 1 - 2 ug/mL. Antibody can also

be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

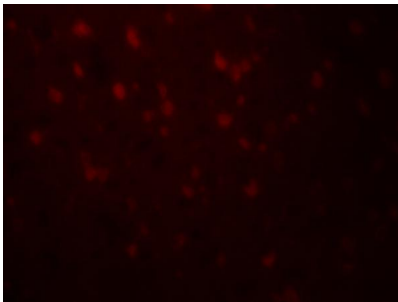
## Anti-Relaxin-3 RLN3 Antibody (A05495) Images



Western blot analysis of RLN3 in HeLa cell lysate with RLN3 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of RLN3 in human brain tissue with RLN3 antibody at 5 ug/mL.



Immunofluorescence of RLN3 in human brain tissue with RLN3 antibody at 20 ug/mL.

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