

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	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

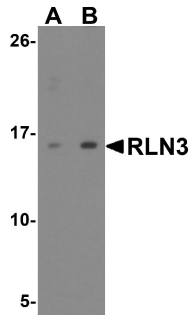
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

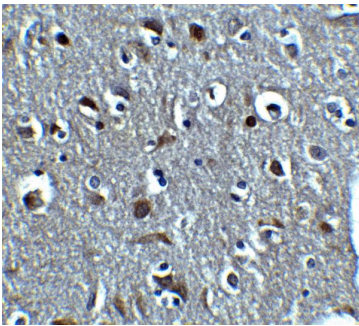
Boster Bio's internal QC testing used RLN3 antibody can be used for detection of RLN3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

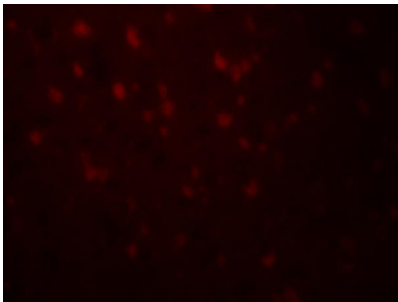
Anti-Relaxin-3 RLN3 Antibody (A05495) Images



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



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



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

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