BACKGROUND

Relaxin Receptor 3 (also known as Relaxin/insulin-like family peptide receptor 3, RXFP3, RLN3R1, GPCR135 and SALPR) is a G protein-coupled receptor that binds Relaxin 3 and influences differentiation and maintenance of the nervous system. Relaxin Receptor 3 shares sequence similarity with somatostatin receptors and angiotensin receptors. It mediates central processing of sensory signals in the rat and is thought to be a modulator of stress responses. Relaxin Receptor 3 is present in the brain, with highest expression in substantia nigra and putituary, followed by hippocampus, spinal cord, amygdala, caudate nucleus and corpus callosum, and low level expression in cerebellum. In peripheral tissues there are high levels in adrenal glands and low levels in pancreas, salivary gland, placenta, mammary gland and testis.

REFERENCES


CHROMOSOMAL LOCATION

Genetic locus: RXFP3 (human) mapping to 5p13.2; Rxfp3 (mouse) mapping to 15 A1.

SOURCE

Relaxin Receptor 3 (D-10) is a mouse monoclonal antibody raised against amino acids 1-135 mapping at the N-terminus of Relaxin Receptor 3 of human origin.

PRODUCT

Each vial contains 200 µg IgG; kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

Relaxin Receptor 3 (D-10) is recommended for detection of Relaxin Receptor 3 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Relaxin Receptor 3 siRNA (h): sc-60717, Relaxin Receptor 3 siRNA (m): sc-60718, Relaxin Receptor 3 shRNA Plasmid (h): sc-60717-SH, Relaxin Receptor 3 shRNA Plasmid (m): sc-60718-SH, Relaxin Receptor 3 shRNA (h) Lentiviral Particles: sc-60717-V and Relaxin Receptor 3 shRNA (m) Lentiviral Particles: sc-60718-V.

Molecular Weight of Relaxin Receptor 3: 52 kDa.

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REFERENCES


RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:


DATA

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our website at www.scbt.com for detailed protocols and support products.