



Rabbit Anti-Relaxin 3 receptor 1 antibody

SL11405R

Product Name:	Relaxin 3 receptor 1
Chinese Name:	G protein-coupled receptor135/松弛素受体3抗体
Alias:	Relaxin Receptor 3; G protein coupled receptor GPCR135; G protein coupled receptor SALPR; G-protein coupled receptor SALPR; GPCR SALPR; GPCR 135; GPCR135; Gprotein coupled receptor SALPR; Relaxin 3 receptor 1; Relaxin 3 receptor1; Relaxin 3/INSL7 receptor 1; Relaxin 3/INSL7 receptor1; Relaxin family peptide receptor 3; Relaxin family peptide receptor3; Relaxin/insulin like family peptide receptor 3; Relaxin3 receptor 1; Relaxin3 receptor1; RL3 R1; RL3R 1; RL3R1; RLN3 receptor 1; RLN3 receptor1; RLN3R1; RXFPR3; SALP R; SALPR; somatostatin and angiotensin like peptide receptor; RL3R1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Relaxin Receptor 3:11-58/469<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	<p>Relaxin Receptor 3 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 pituitary, 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.</p> <p>Function: GPCR SALPR, also known as Relaxin 3 Receptor 1 (RXFP3), is a G-protein coupled receptor that is one of the physiological targets for relaxin 3, an insulin-like hormone. Activation of GPCR SALPR results in phosphorylation of ERK1/2. GPCR SALPR has been implicated in anxiety and obesity. A role for relaxin 3 and GPCR SALPR in reproductive function through the hypothalamic-pituitary-gonadal (HPG) axis has also been described.</p> <p>Subcellular Location: Cell membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Expressed predominantly in brain regions. Highest expression in substantia nigra and pituitary, followed by hippocampus, spinal cord, amygdala, caudate nucleus and corpus callosum, quite low level in cerebellum. In peripheral tissues, relatively high levels in adrenal glands, low levels in pancreas, salivary gland, placenta, mammary gland and testis.</p> <p>Similarity: Belongs to the G-protein coupled receptor 1 family.</p> <p>SWISS: Q9NSD7</p> <p>Gene ID: 51289</p> <p>Database links:</p> <p>Entrez Gene: 51289 Human</p> <p>Entrez Gene: 239336 Mouse</p> <p>Entrez Gene: 294807 Rat</p>

[Omim: 609445](#) Human

[SwissProt: Q9NSD7](#) Human

[SwissProt: Q8BGE9](#) Mouse

[Unigene: 170146](#) Human

[Unigene: 209312](#) Mouse

[Unigene: 127658](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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