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Rabbit Anti-GPCR LGR7 antibody

SL15368R

Product Name:	GPCR LGR7
Chinese Name:	G protein-coupled receptorLGR7蛋白抗体
Alias:	Gm1018; Leucine rich repeat containing G protein coupled receptor 7;LGR7; LGR7.1; LGR7.10; LGR7.2; MGC138347; MGC142177; Relaxin family peptide receptor 1; Relaxin receptor 1; Relaxin/insulin like family peptide receptor 1; RXFP 1; RXFP1; RXFP1; RXFP1_HUMAN; RXFPR1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,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:	87kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPCR LGR7:301-400/757<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:	This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane receptor superfamily. The encoded protein plays a critical role in sperm motility, pregnancy and parturition as a receptor for the protein

	hormone relaxin. Decreased expression of this gene may play a role in endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011] **Function:** Receptor for relaxins. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. Binding of the ligand may also activate a tyrosine kinase pathway that inhibits the activity of a phosphodiesterase that degrades cAMP. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed in the brain, kidney, testis, placenta, uterus, ovary, adrenal, prostate, skin and heart. Not detected in spleen. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Contains 1 LDL-receptor class A domain. Contains 9 LRR (leucine-rich) repeats. Contains 1 LRRNT domain. **SWISS:** Q9HBX9 **Gene ID:** 59350 **Database links:** Entrez Gene: 59350 Human Entrez Gene: 381489 Mouse Entrez Gene: 295144 Rat Omim: 606654 Human SwissProt: Q9HBX9 Human SwissProt: Q6R6I7 Mouse SwissProt: Q6R6I6 Rat Unigene: 591686 Human

	Unigene: 331086 Mouse Unigene: 109230 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.