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[Primary Antibody]

Rabbit Anti-GPCR LGR7 antibody

Catalog Number: SL15368R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPCR LGR7
Immunogen:	KLH conjugated synthetic peptide derived from human GPCR LGR7: 301-400/757 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Cow,Horse)
Predicted MW.:	87kDa
Subcellular Location:	The cell membrane
Background:	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

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	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. **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

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