

**RXFP1/ LGR7 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10132****Specification**

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**RXFP1/ LGR7 Antibody (C-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P                  |
| Primary Accession | <a href="#">Q9HBX9</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 87kDa KDa              |
| Dilution          | IHC-P~~N/A             |

**RXFP1/ LGR7 Antibody (C-Terminus) - Additional Information****Gene ID** 59350**Other Names**

Relaxin receptor 1, Leucine-rich repeat-containing G-protein coupled receptor 7, Relaxin family peptide receptor 1, RXFP1, LGR7

**Target/Specificity**

Human RXFP1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ANGPT2 (47%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

RXFP1/ LGR7 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**RXFP1/ LGR7 Antibody (C-Terminus) - Protein Information****Name** RXFP1**Synonyms** LGR7**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.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Expressed in the brain, kidney, testis, placenta, uterus, ovary, adrenal, prostate, skin and heart.  
Not detected in spleen.

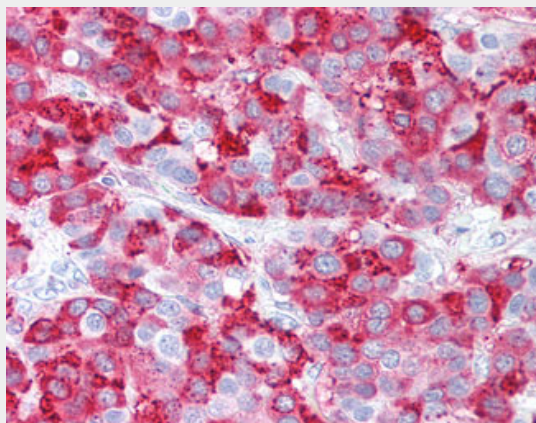
**Volume**

50 µl

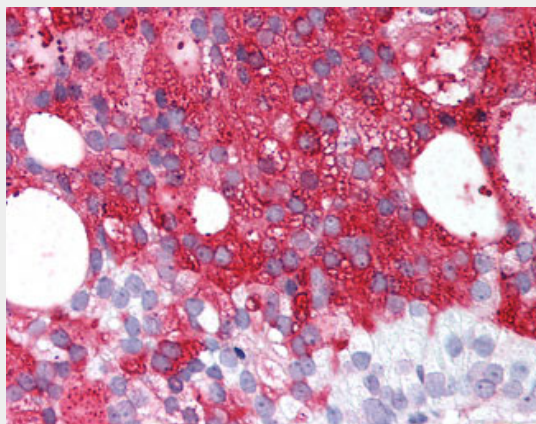
**RXFP1/ LGR7 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RXFP1/ LGR7 Antibody (C-Terminus) - Images**

Anti-RXFP1/ LGR7 antibody IHC of human Breast, Carcinoma.



Anti-RXFP1/ LGR7 antibody IHC of human Prostate, Carcinoma.

**RXFP1/ LGR7 Antibody (C-Terminus) - Background**

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.

**RXFP1/ LGR7 Antibody (C-Terminus) - References**

Hsu S.Y.,et al.Mol. Endocrinol. 14:1257-1271(2000).  
Muda M.,et al.Mol. Hum. Reprod. 11:591-600(2005).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hillier L.W.,et al.Nature 434:724-731(2005).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.