

GPCR LGR7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55966

Specification

GPCR LGR7 Polyclonal Antibody - Product Information

WB, IHC-P, IHC-F, IF, ICC, E Application

Primary Accession 09HBX9 Reactivity Rat, Bovine Host Rabbit Clonality **Polyclonal** Calculated MW **87 KDa**

Physical State Immunogen KLH conjugated synthetic peptide derived

from human GPCR LGR7

Liquid

301-400/757 **Epitope Specificity**

laG Isotype **Purity**

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane; Multi-pass membrane

protein.

Belongs to the G-protein coupled receptor SIMILARITY

> 1 family. Contains 1 LDL-receptor class A domain.Contains 9 LRR (leucine-rich) repeats. Contains 1 LRRNT domain.

Important Note This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

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]

GPCR LGR7 Polyclonal Antibody - 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

Expressed in the brain, kidney, testis, placenta, uterus, ovary, adrenal, prostate, skin and heart.



Not detected in spleen.

Dilution

WB \sim 1:1000/span><br \>IHC-P \sim N/A<br \><span class

="dilution IHC-F">IHC-F~~N/A

span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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 $^{\circ}$ C.

GPCR LGR7 Polyclonal Antibody - 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.

GPCR LGR7 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

GPCR LGR7 Polyclonal Antibody - Images