

GPCR LGR7 Rabbit pAb

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Product Information

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

Primary Accession

Reactivity
Rat, Chicken
Rabbit
Clonality
Polyclonal
Calculated MW
Physical State

Rat, Chicken
Rabbit
Polyclonal
Liquid

Immunogen KLH conjugated synthetic peptide derived from human GPCR LGR7

Epitope Specificity 301-400/757

Isotype IgG

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.

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.

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]

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=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

Storage Store at -20 °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

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.

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]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.