10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GPCR LGR7 Rabbit pAb

GPCR LGR7 Rabbit pAb
Catalog # AP55966

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9HBX9
Reactivity	Human
Predicted	Rat, Mouse, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86975
Physical State	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.
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
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 is stable for at least two weeks at 2-4 °C.

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 product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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