

GPCR LGR7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55966

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9HBX9
Reactivity	Rat, Bovine
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.
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=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

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.
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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.

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