



RXFP1 Polyclonal Antibody

Catalog No	YP-Ab-07541
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	RXFP1 LGR7
Immunogen	Synthesized peptide derived from human protein . at AA range: 240-320
Specificity	RXFP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Relaxin receptor 1;LGR7.2;LGR7.1;LGR7;RXFP1;RXFP1 LGR7;Relaxin receptor 1 (Leucine-rich repeat-containing G-protein coupled receptor 7) (Relaxin family peptide receptor 1)
Observed Band	83kD
Calculated Molecular Weight	757 aa, 87 kDa
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in the brain, kidney, testis, placenta, uterus, ovary, adrenal, prostate, skin and heart. Not detected in spleen.
Function	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.,similarity:Belongs to the G-protein coupled receptor 1 family.,similarity:Contains 1 LDL-receptor class A domain.,similarity:Contains 10 LRR (leucine-rich) repeats.,tissue specificity: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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images