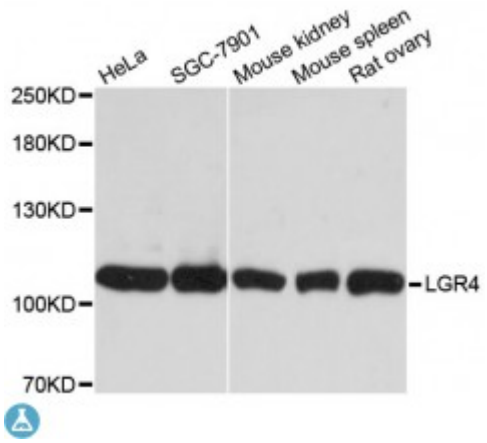
Anti-LGR4 Antibody



Model	STJ114531
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 320-540 of human LGR4 (NP_060960.2).
Gene ID	55366
Gene Symbol	LGR4
Dilution range	WB 1:1000 - 1:3000
Tissue Specificity	Expressed in multiple steroidogenic tissues: placenta, ovary, testis and adrenal, Expressed also in spinal cord, thyroid, stomach, trachea, heart, pancreas, kidney, prostate and spleen
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Leucine-rich repeat-containing G-protein coupled receptor 4 G-protein coupled receptor 48
Molecular Weight	104.475 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:13299OMIM:166710Reactome:R-HSA-4641263
Alternative Names	Leucine-rich repeat-containing G-protein coupled receptor 4 G-protein coupled receptor 48
Function	Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and is involved in the formation of various organs, Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes, In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal, Its function as activator of the Wnt signaling pathway is required for the development of various organs, including liver, kidney, intestine, bone, reproductive tract and eye, May also act as a receptor for norrin (NDP), such results however require additional confirmation in vivo, Required during spermatogenesis to activate the Wnt signaling pathway in peritubular myoid cells, Required for the maintenance of intestinal stem cells and Paneth cell differentiation in postnatal intestinal crypts, Acts as a regulator of bone formation and remodeling, Involved in kidney development
Cellular Localization	Cell membrane