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

LGR6 Rabbit mAb

Catalog # AP75513

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q9HBX8
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	104298

Additional Information

Gene ID	59352
Other Names	LGR6
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

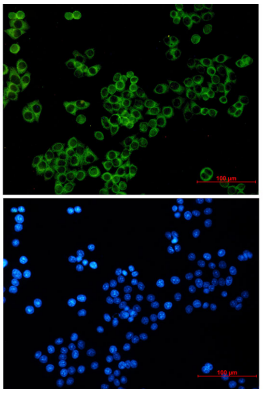
Name	LGR6
Function	Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a marker of multipotent stem cells in the epidermis. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by 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. May act as a tumor suppressor.
Cellular Location	Cell membrane; Multi-pass membrane protein

Background

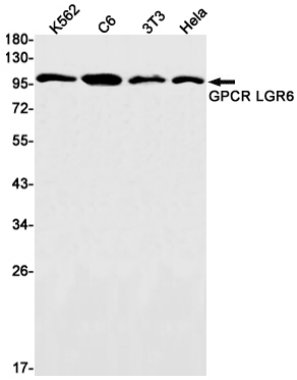
The protein is a member of the leucine-rich repeat-containing subgroup of the G protein-coupled

7-transmembrane protein superfamily. The encoded protein is a glycoprotein hormone receptor with a large N-terminal extracellular domain that contains leucine-rich repeats important for the formation of a horseshoe-shaped interaction motif for ligand binding.

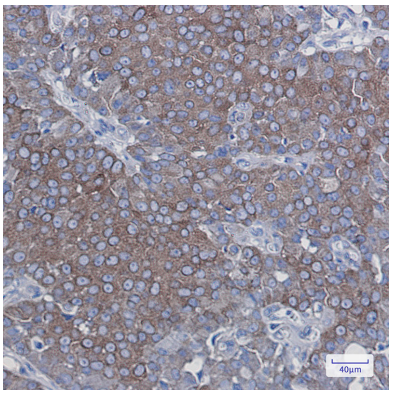
Images



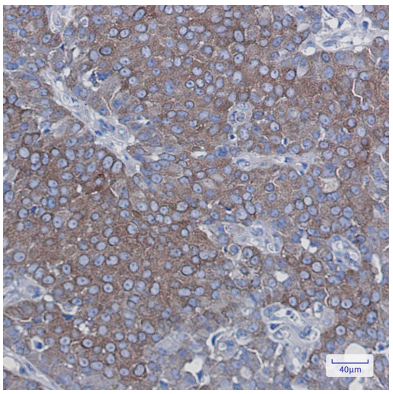
Immunocytochemistry analysis of LGR6 (green) in Hela using LGR6 antibody,and DAPI(blue).



Western blot analysis of GPCR LGR6 in K562, C6, 3T3, Hela lysates using GPCR LGR6 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using GPCR LGR6 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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