

Recombinant Anti-LGR6 Rabbit mAb

Catalog # AP95271

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q9HBX8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	104298

Additional Information

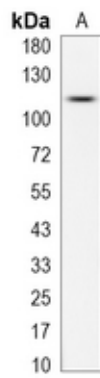
Gene ID	59352
Other Names	Leucine-rich repeat-containing G-protein coupled receptor 6
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human LGR6 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

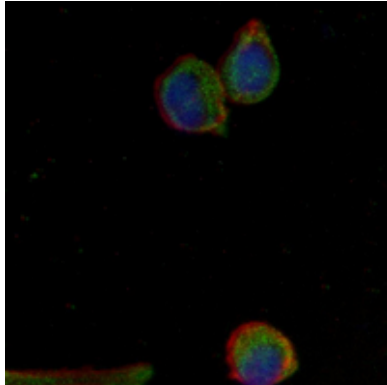
Name	LGR6
Function	Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a marker of multipotent stem cells in the epidermis. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by 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

Images

Western blot analysis of LGR6 expression in HUVEC (A)



whole cell lysates. (Predicted band size: 104 kD; Observed band size: 104 kD)



Immunofluorescent analysis of LGR6 staining in HUVEC cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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