



Anti-LGR5 Antibody

Alternative Names: FEX, GPR49, GPR67, GRP49, HG38

Catalogue Number: AB18-10066-50ug

Size: 50 µg

Background Information

LGR5 (leucine-rich repeat-containing G protein-coupled receptor 5) is a member of the G-protein-coupled receptor family of proteins and a target of Wnt signalling [1]. It plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development, but is expressed by a wide range of adult tissues and organs acting as a biomarker for adult stem cells in certain tissues. Functionally, LGR5 is a part of Wnt signalling complex on the cell membrane, where it seems to enhance the activity of the Wnt/ β -catenin signalling.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic peptide from the C-terminal region of human LGR5		
Format:	50 µg in 50 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IF WB 1:1000-2000. IF 1:50-200.		

Additional Information

Subcellular location:	Cell membrane, Golgi apparatus, Multi-pass membrane protein, trans-Golgi network membrane	MW:	100kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	8549	Uniprot ID:	O75473



References

1. de LW, Barker N, Low TY, Koo B, Li VSW, Teunissen H, et al. Lgr5 homologues associate with Wnt receptors and mediate R-spondin signalling. *Nature*. 2011;476:293–297.