

Datasheet for ABIN4911554
anti-LGR5 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	LGR5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LGR5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This LGR5/GPR49 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 689-719 amino acids from human LGR5/GPR49.
Clone:	9C1
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	LGR5
Alternative Name:	LGR5/GPR49 (LGR5 Products)

Target Details

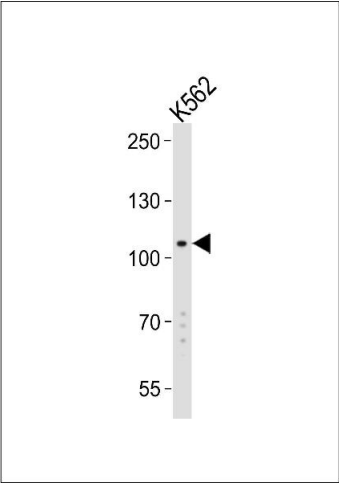
Background:	<p>Synonyms: FEX, HG38, GPR49, GPR67, GRP49, Leucine-rich repeat-containing G-protein coupled receptor 5, G-protein coupled receptor 49, G-protein coupled receptor 67, G-protein coupled receptor HG38, LGR5</p> <p>Background: Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a stem cell marker of the intestinal epithelium and the hair follicle. Upon binding to R-spondins (RSP01, RSP02, RSP03 or RSP04), 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. Involved in the development and/or maintenance of the adult intestinal stem cells during postembryonic development.</p>
Gene ID:	8549
UniProt:	O75473
Pathways:	WNT Signaling

Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



Western Blotting

Image 1. Lane 1: K562 Cell lysates, probed with LGR5/GPR49 (349CT16.1.3.1) Monoclonal Antibody, unconjugated (bsm-51116M) at 1:2000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.