

Datasheet for ABIN737916
anti-LGR5 antibody (AA 810-907)

5 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	LGR5
Binding Specificity:	AA 810-907
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGR5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse GPR49
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LGR5
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Target Details

Alternative Name:	GPR49/LGR5 (LGR5 Products)
Background:	<p>Synonyms: FEX, Gpr49, Leucine-rich repeat-containing G-protein coupled receptor 5, G-protein coupled receptor 49, Orphan G-protein coupled receptor FEX, 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 (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. Involved in the development and/or maintenance of the adult intestinal stem cells during postembryonic development.</p>
Gene ID:	14160
UniProt:	Q9Z1P4
Pathways:	WNT Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 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.

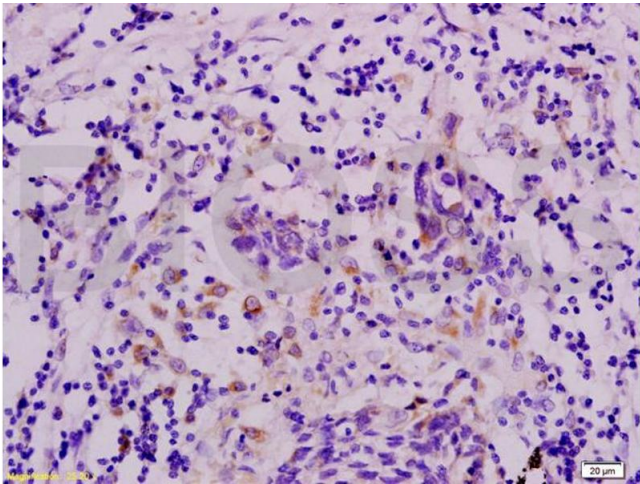
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

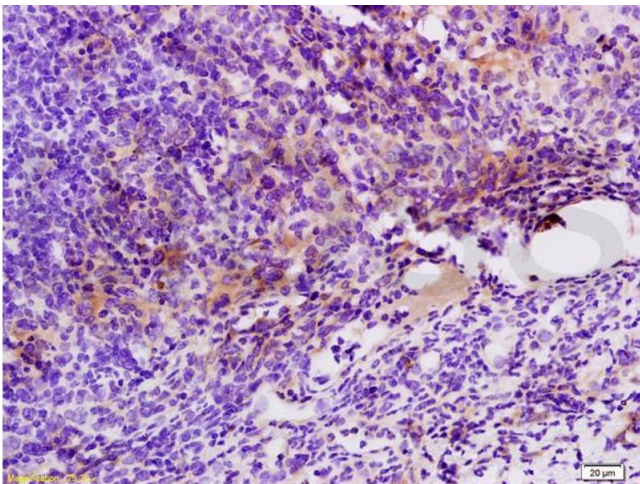
Product cited in:	Su, Li, Liu, Ren, Tian, Liu, Qiu: "Ionizing radiation promotes advanced malignant traits in nasopharyngeal carcinoma via activation of epithelial-mesenchymal transition and the cancer stem cell phenotype." in: Oncology reports , Vol. 36, Issue 1, pp. 72-8, (2016) (PubMed).
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Images



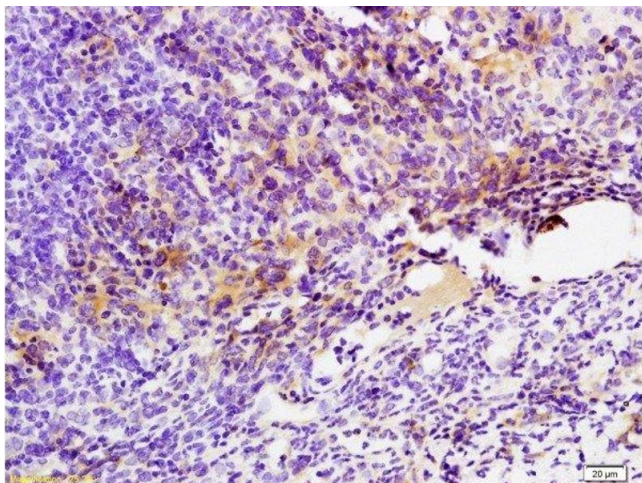
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-GPR49/LGR5 Polyclonal Antibody, Unconjugated (ABIN737916) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse colon carcinoma labeled with Anti-GPR49/LGR5 Polyclonal Antibody, Unconjugated (ABIN737916) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded mouse colon carcinoma labeled with Anti-GPR49/LGR5 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN737916.