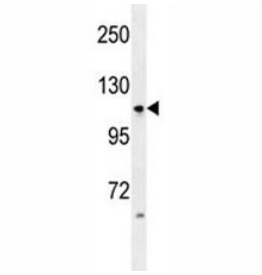
Anti-LGR5 Antibody (F48167)

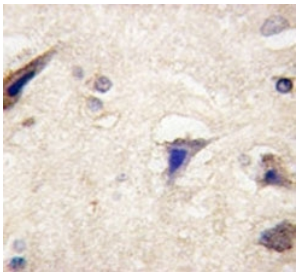
Catalog No.	Formulation	Size
F48167-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48167-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O75473
Applications	IHC (Paraffin): 1:10-1:50 Western blot: 1:1000
Limitations	This anti-LGR5 antibody is available for research use only.



Anti-LGR5 antibody western blot analysis in HL-60 lysate



IHC analysis of FFPE human brain tissue stained with anti-LGR5 antibody

Description

LGR5/GPR49 is a 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. [UniProt]

Application Notes

Titration of the anti-LGR5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 605-638 from the human protein was used as the immunogen for this anti-LGR5 antibody.

Storage

Aliquot the anti-LGR5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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