



Rabbit Anti-LGR5 monoclonal antibody, clone TV43-15 (CABT-L640)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	LGR5/GPR49
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TV43-15
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP, FC
Molecular Weight	100 kDa
Cellular Localization	Cell membrane, Golgi apparatus.
Positive Control	SH-SY-5Y.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

G protein-coupled receptors (GPCRs), also designated seven transmembrane (7TM) receptors or heptahelical receptors, interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers, such as diacylglycerol, cyclic AMP, inositol phosphates and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. LGR5 (leucine-rich repeat-containing G-protein coupled receptor 5), also known as GPR49 or GPR67, is a 907 amino acid multi-pass membrane protein that contains 17 leucine-rich repeats and belongs to the G protein-coupled receptor family. Expressed in placenta, skeletal muscle and spinal cord, LGR5 functions as an orphan receptor that is thought to play an important role in embryonic growth control and cellular differentiation. Overexpression of LGR5 is associated with increased tumor susceptibility and malignant transformation, implicating LGR5 as a potent tumor-inducing protein.

Keywords

FEX;G protein coupled receptor 49;G protein coupled receptor 67;g protein-coupled receptor fex;G-protein coupled receptor 49;G-protein coupled receptor 67;G-protein coupled receptor HG38;GPR 49;GPR 67;GPR49;GPR67;GRP 49;GRP49;HG 38;HG38;Leucine rich repeat containing G protein coupled receptor 5;Leucine-rich repeat-containing G-protein coupled receptor 5;LGR 5;LGR5;LGR5_HUMAN;MGC117008;Orphan G protein coupled receptor HG38 antibody
