

Datasheet for ABIN5541955 **anti-LGR4 antibody**



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Overview

Quantity:	0.1 mg
Target:	LGR4
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This LGR4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	cDNA encoding Human LGR4
Clone:	BBX-1H1
Isotype:	IgG2a
Specificity:	Recognizes Human LGR4 / GPR48. Selection: Based on recognition of the complete native protein expressed on transfected mammalian cells.
Cross-Reactivity (Details):	Does not cross react with Mouse.
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	LGR4
Alternative Name:	lgr4,gpr48 (LGR4 Products)

Target Details

Background: LGR4 (Leucine-rich repeat- containing G protein-coupled receptor 4) belongs to the superfamily of G protein-coupled receptors (GPCRs). It is a 951 amino acid multi-pass membrane protein and has multiple N-terminal leucine-rich repeats, which are important for interaction with the glycoprotein ligands, and 7 transmembrane domains (1,3). LGR4 is highly expressed in the adult human pancreas but also with moderate levels of expression in placenta, kidney, brain and heart (2). LGR4 functions as an orphan receptor that may be involved in physiologic activities throughout the cell. It is overexpressed in various cancer types and is thought to enhance carcinoma invasiveness and metastasis, suggesting an important role in tumor progression.

UniProt: [Q9BXB1](#)

Application Details

Application Notes: Flow Cytometry: 1.2 µg/10⁶ cells. Cell based ELISA with intact, transiently transfected cells: 1/200-1/400.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, pH 7.2

Storage: 4 °C, -20 °C

Storage Comment: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months