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Datasheet for ABIN1720913 anti-LGR4 antibody

4 Images



Overview

Quantity:	100 µg
Target:	LGR4
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This LGR4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Cell-ELISA (cELISA)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human LGR4
Clone:	BBX-1H1
Isotype:	IgG2a kappa
Specificity:	Anti-human LGR4
No Cross-Reactivity:	Mouse (Murine)
Characteristics:	Selection: Based on recognition of the complete native protein expressed on transfected mammalian cells
Purification:	Protein G
Target Details	
Target:	LGR4

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Target Details	
Alternative Name:	LGR4 (LGR4 Products)
Background:	LGR4 (Leucine-rich repeat- containing G protein-coupled receptor 4, GPR48) 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. LGR4 is highly expressed in the adult human pancreas but also with moderate levels of expression in placenta, kidney, brain and heart. 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/10^6 cells CELISA: 1:200 - 1:400 For each application a titration should be performed to determine the optimal concentration.
Postrictions:	Ear Descarch Lice only
Handling	
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C
Storage Comment:	short term: 2 °C - 8 °C, long term: -20 °C



SDS-PAGE

Image 1. SDS-PAGE analysis of purified BBX-1H1 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified BBX-1H1 antibody. Proteins were separated by SDS-PAGE and stained with RAPID StainTM Reagent.



Flow Cytometry

Image 2. FACS analysis of BOSC23 cells using BBX-1H1 (ABIN1720913). BOSC23 cells were transiently transfected with an expres-sion vector encoding either LGR4-hum (red curve), LGR4-murine (blue curve) or an irrelevant protein (control transfectant: black curve). Binding of BBX-3A8 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with LGR4-hum transfected cells.



SDS-PAGE

Image 3. SDS-PAGE analysis of purified BBX-1H1 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified BBX-1H1 antibody. Proteins were separated by SDS-PAGE and stained with RAPID StainTM Reagent

Please check the product details page for more images. Overall 4 images are available for ABIN1720913.

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