

LGR4 monoclonal antibody, clone 12H6

Catalog # MAB6679

Size 50 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant LGR4.
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Immunogen	Recombinant protein corresponding to full length human LGR4.
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Host	Mouse
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Reactivity	Human
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Form	Liquid
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Recommend Usage	Flow Cyt (1-5 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS (0.1% proclin, 2% Block Ace)
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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot
- Flow Cytometry

Gene Info — LGR4

Entrez GeneID	55366
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Gene Name	LGR4
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Gene Alias	GPR48
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Gene Description	leucine-rich repeat-containing G protein-coupled receptor 4
Omim ID	606666
Gene Ontology	Hyperlink
Gene Summary	G protein-coupled receptors (GPCRs) play key roles in a variety of physiologic functions. Member s of the leucine-rich GPCR (LGR) family, such as GPR48, have multiple N-terminal leucine-rich re peats (LRRs) and a 7-transmembrane domain (Weng et al., 2008 [PubMed 18424556]).[supplied by OMIM
Other Designations	G protein-coupled receptor 48 G-protein-coupled receptor 48

Publication Reference

- [Up-regulation of GPR48 induced by down-regulation of p27Kip1 enhances carcinoma cell invasiveness and metastasis.](#)

Gao Y, Kitagawa K, Hiramatsu Y, Kikuchi H, Isobe T, Shimada M, Uchida C, Hattori T, Oda T, Nakayama K, Nakayama KI, Tanaka T, Konno H, Kitagawa M.

Cancer Research 2006 Dec; 66(24):11623.

Application: IHC-P, Human, Colon carcinoma

- [LGR4 regulates the postnatal development and integrity of male reproductive tracts in mice.](#)

Hoshii T, Takeo T, Nakagata N, Takeya M, Araki K, Yamamura K.

Biology of Reproduction 2007 Feb; 76(2):303.

- [Leucine-rich repeat-containing, G protein-coupled receptor 4 null mice exhibit intrauterine growth retardation associated with embryonic and perinatal lethality.](#)

Mazerbourg S, Bouley DM, Sudo S, Klein CA, Zhang JV, Kawamura K, Goodrich LV, Rayburn H, Tessier-Lavigne M, Hsueh AJ.

Molecular Endocrinology (Baltimore, Md.) 2004 Sep; 18(9):2241.

Application: IHC-P, Mouse, Mouse kidney

Pathway

- [Neuroactive ligand-receptor interaction](#)