

Mouse GPR48 (Lgr4) Antibody

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CATALOG # AAA62494	HOST Mouse	REACTIVITY Human, Mouse, Rat
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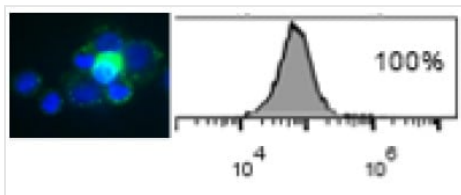
PRODUCT SYNONYMS

GPR48 (Lgr4); GPR48 (Lgr4) Antibody; BNMD17; G protein coupled receptor 48; G-protein coupled receptor 48; GPR48; Leucine-rich repeat-containing G protein-coupled receptor 4; Leucine-rich repeat-containing G-protein coupled receptor 4; LGR4; LGR4_HUMAN; anti-GPR48 (Lgr4) antibody

PRODUCT SPECIFICATIONS

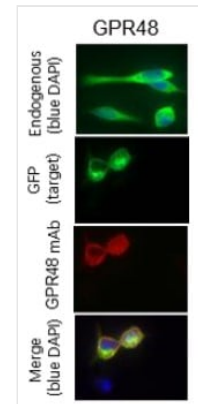
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	GPR48 Antibody detects endogenous levels of total GPR48.
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of GAK cells were stained using GPR48 antibody.



IF (Immunofluorescence)

GPR48 antibody staining GAK cells by IF/ICC. (endogeneous) Overexpress GPR48-GFP fusion protein in 293T cells, and incubated with primary GPR48 antibody(red).

ADDITIONAL INFORMATION

Related Product Information for anti-GPR48 (Lgr4) antibody

Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and is involved in the formation of various organs. 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. Its function as activator of the Wnt signaling pathway is required for the development of various organs, including liver, kidney, intestine, bone, reproductive tract and eye. May also act as a receptor for norrin (NDP), such results however require additional confirmation in vivo. Required during spermatogenesis to activate the Wnt signaling pathway in peritubular myoid cells. Required for the maintenance of intestinal stem cells and Paneth cell differentiation in postnatal intestinal crypts. Acts as a regulator of bone formation and remodeling. Involved in kidney development; required for maintaining the ureteric bud in an undifferentiated state. Involved in the development of the anterior segment of the eye. Required during erythropoiesis. Also acts as a negative regulator of innate immunity by inhibiting TLR2/TLR4 associated pattern-recognition and proinflammatory cytokine production. Plays an important role in regulating the circadian rhythms of plasma lipids, partially through regulating the rhythmic expression of MTTP (By similarity).

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q9BXB1
Molecular Weight	110 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-mouse-rat-antibody/gpr48-lgr4/62494>