

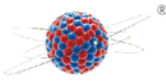
Anti - GPCR LGR6 Antibody

NH-R-39-78

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	IF-Tissue Clearing
Clone number:	JE39-78

Description:	Leucine-rich repeat-containing G-protein coupled receptor 6 is a protein that in humans is encoded by the LGR6 gene. Along with the other G-protein coupled receptors LGR4 and LGR5, LGR6 is a Wnt signaling pathway mediator. LGR6 also acts as an epithelial stem cell marker in squamous cell carcinoma in mice in vivo. This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. The encoded protein is a glycoprotein hormone receptor with a large N-terminal extracellular domain that contains leucine-rich repeats important for the formation of a horseshoe-shaped interaction motif for ligand binding. Alternative splicing of this gene results in multiple transcript variants.
Immunogen:	Recombinant protein.
Positive control:	Mouse skin
Subcellular location:	Cell membrane.
Recommended Dilutions:	
IF-Tissue Clearing	1:100
Adaptive Clearing kit	Enhanced Tissue clearing kit(Cat#:NH-CR-230701)
Storage Buffer:	1*TBS(pH7.4), 0.05% BSA, 40% Glycerol. Preservative:0.05% Sodium Azide.
Storage Instruction:	Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified





Images

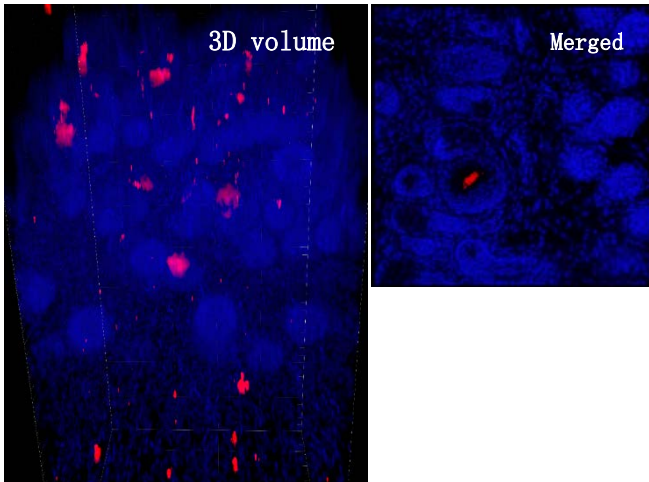


Fig1: Immunofluorescence analysis of fresh mouse skin tissue labeling GPCR LGR6 (NH-R-3978) and PI at 1/100、1/100 dilution respectively.

The kidney of mouse was transparented with Enhanced Tissue clearing kit(Cat#:NH-CR-230701), the tissues were blocked for 4 hours at 4°C, and then probed with antibodies (NH- NH-R-3978, 1/100; PI, 1:100) for 5 days at room temperature, and Fluor® 488-conjugated AffiniPure VHH Fragment Alpaca Anti-Rabbit IgG (H+L) was used as the secondary antibody. after washing with 10% PBST for 20 minutes, and then wash with 1x PBS for 3 times for 2 hours each time. Three dimensional imaging acquisition was performed with Nuohai LS18.

