

# GPR1 Antibody PE Conjugated

Catalog No: #C01669P

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## Description

Product Name	GPR1 Antibody PE Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human GPR1
Conjugates	PE
Target Name	GPR1
Other Names	G protein coupled receptor 1; G-protein coupled receptor 1; GPR1; GPCR1 GPR1; GPR1_HUMAN.
Excitation Emission	480,565nm 578nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intracellular signal (G protein activation). GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. All of the receptors have seven membrane-spanning domains and the extracellular parts of the receptor can be glycosylated. These extracellular loops also contain two highly conserved cysteine residues which create disulfide bonds to stabilize the receptor structure. Gpr1 is required for yeast-to-hypha transition on various solid hypha-inducing media, and important for yeast cell morphology. It activates guanine nucleotide exchange on Gpa2 which stimulates cAMP synthesis by glucose. In *Saccharomyces cerevisiae*, Gpr1 is necessary for filamentous and invasive growth.

Note: This product is for in vitro research use only