

## GPR171 Conjugated Antibody

Catalog No: #C37604



Package Size: #C37604-AF350 100ul #C37604-AF405 100ul #C37604-AF488 100ul  
 #C37604-AF555 100ul #C37604-AF594 100ul #C37604-AF647 100ul  
 #C37604-AF680 100ul #C37604-AF750 100ul #C37604-Biotin 100ul

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## Description

Product Name	GPR171 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GPR171 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human G protein-coupled receptor 171
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	H963
Accession No.	Swiss-Prot#:O14626NCBI Gene ID:29909NCBI mRNA#:NCBI Protein#:NP_116166
Uniprot	O14626
GeneID	29909;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	37
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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Probable G-protein coupled receptor 171 (GPR171) is a protein that in humans is encoded by the GPR171 gene. One of the most abundant peptides in brain, LENS SPQAPARRLLPP (named BigLEN), which can activate GPR171. Additional studies showed that the BigLENGPR171 system plays an important role in regulating feeding and metabolism in mice. Thus, GPR171 is a potential target for developing antiobesity drugs.

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Note: This product is for in vitro research use only