

GPR137 Conjugated Antibody

Catalog No: #C47602



Package Size: #C47602-AF350 100ul #C47602-AF405 100ul #C47602-AF488 100ul
 #C47602-AF555 100ul #C47602-AF594 100ul #C47602-AF647 100ul
 #C47602-AF680 100ul #C47602-AF750 100ul #C47602-Biotin 100ul

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Description

Product Name	GPR137 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu, Ms
Specificity	The antibody detects endogenous levels of total GPR137 protein.
Immunogen Description	Synthetic peptide of human GPR137
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C11orf4; GPR137A; TM7SF1L1
Accession No.	Swiss-Prot#:Q96N19NCBI Gene ID:56834NCBI mRNA#:NCBI Protein#:NP_064540
Uniprot	Q96N19
GeneID	56834;
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	46 kDa
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

G protein-coupled receptors (GPRs) are highly related to oncogenesis and cancer metastasis. G protein-coupled receptor 137 (GPR137) was initially reported as a novel orphan GPR about 10 years ago. GPR137 is ubiquitously expressed in the central nervous system (CNS), mainly in the hippocampus (PMID: 22025619). GPR137 is involved in the progression of human glioma, suggesting GPR137 as a potential oncogene of glioma cells (PMID: 24870220). Recent study shows that GPR137 plays an important role in colon cancer cell proliferation (PMID: 25301753).

Note: This product is for in vitro research use only