CNGA4 Conjugated Antibody

Catalog No: #C46522

Package Size: #C46522-AF350 100ul #C46522-AF405 100ul #C46522-AF488 100ul #C46522-AF555 100ul #C46522-AF594 100ul #C46522-AF647 100ul #C46522-AF680 100ul #C46522-AF750 100ul #C46522-Biotin 100ul

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Description

Product Name	CNGA4 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CNGA4 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human CNGA4
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CNG4; CNG5; CNCA2; CNG-4; CNGB2; OCNC2; OCNCb; OCNCBETA
Accession No.	Swiss-Prot#:Q8IV77NCBI Gene ID:1262NCBI mRNA#:NCBI Protein#:NP_001032406
Uniprot	Q8IV77
GeneID	1262;
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	66
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

Second messenger, cAMP, causes the opening of cation-selective cyclic nucleotide-gated (CNG) channels and depolarization of the neuron (olfactory sensory neurons, OSNs). CNGA4 is the modulatory subunit of this channel which is known to play a central role in the transduction of odorant signals and subsequent adaptation. By accelerating the calcium-mediated negative feedback in olfactory signaling it allows rapid adaptation to odor stimulation and extends its range of odor detection.

Note: This product is for in vitro research use only