KCNE1 Conjugated Antibody

Catalog No: #C32205

Package Size: #C32205-AF350 100ul #C32205-AF405 100ul #C32205-AF488 100ul #C32205-AF555 100ul #C32205-AF594 100ul #C32205-AF647 100ul #C32205-AF680 100ul #C32205-AF750 100ul #C32205-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	KCNE1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total KCNE1 protein.
Immunogen Description	Recombinant protein of human KCNE1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KCNE1;FLJ18426;FLJ38123;FLJ94103;ISK
Accession No.	Swiss-Prot#:P15382NCBI Gene ID:3753
Uniprot	P15382
GeneID	3753;
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	15
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

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

Voltage-gated potassium channels play a variety of important roles in human health and disease (1,2). KCNE1, also known as MinK, belongs to a family of small transmembrane proteins (KCNE1, 2, 3, 4, and KCNE1L) that modulate the activity of several voltage-gated K+ channels (3-5). KCNE1 functions as the modulatory β-subunit of the pore-forming α-subunit KCNQ1, and alters several biophysical properties of KCNQ1 channels (6,7). Research studies have shown that several inherited mutations in KCNE1 result in long QT syndrome (8-10) and deafness (11).

Note: This product is for in vitro research use only