Epac1 Conjugated Antibody

Catalog No: #C49669

Package Size: #C49669-AF350 100ul #C49669-AF405 100ul #C49669-AF488 100ul #C49669-AF555 100ul #C49669-AF594 100ul #C49669-AF647 100ul #C49669-AF680 100ul #C49669-AF750 100ul #C49669-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Epac1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	bcm910 antibody CAMP GEFI antibody cAMP regulated guanine nucleotide exchange factor I antibody CAMPGEFI antibody CGEF 1 antibody CGEF1 antibody EPA1 antibody Epac 1 antibody EPAC antibody EPAC1 antibody Exchange factor directly activated by cAMP 1 antibody Exchange protein directly activated by cAMP 1 antibody MGC21410 antibody RAP guanine nucleotide exchange factor antibody Rap guanine nucleotide exchange factor (GEF) 3 antibody RAP guanine nucleotide exchange factor 3 antibody Rap1 guanine nucleotide exchange factor directly activated by cAMP antibody RAPGEF3 antibody
Accession No.	Swiss-Prot#:O95398
Uniprot	O95398
GeneID	10411;
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
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

3',5' cyclic adenosine monophosphate (cAMP)-regulated guanine nucleotide exchange factors Epac (Epac1, cAMP-GEFI) and Epac2 (cAMP-GEFII) activate the Ras family GTPases Rap 1 and Rap 2 by promoting GTP binding in a cAMP-dependent manner. Eukaryotic cAMP is a second messenger that induces physiological responses such as gene expression, growth, differentiation, secretion and neurotransmission. The human Epac gene maps to chromosome 12q13.11 with transcript being abundant in the kidney and heart. In situ hybridization indicates expression of Epac in adult rat brain and selective expression in neonatal brain, including septum and thalamus.

Note: This product is for in vitro research use only