TrkB(Phospho-Y817) Conjugated Antibody

Catalog No: #C13384

Package Size: #C13384-AF350 100ul #C13384-AF405 100ul #C13384-AF488 100ul #C13384-AF555 100ul #C13384-AF594 100ul #C13384-AF647 100ul #C13384-AF680 100ul #C13384-AF750 100ul #C13384-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	TrkB(Phospho-Y817) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	D11S4896E antibody GOK antibody OTTHUMP00000164512 antibody OTTHUMP00000229140 antibody OTTHUMP00000230742 antibody SIM antibody STIM 1 antibody STIM1 antibody Stim1 stromal interaction molecule 1 antibody STIM1_HUMAN antibody STIM1L antibody Stromal interaction molecule 1 antibody
Accession No.	Swiss-Prot#:Q13586
Uniprot	Q13586
GeneID	6786;
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	100
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

Ca2+ influx is essential for a variety of cellular functions including, secretion and transcription. Stromal interaction molecule 1 (Stim1) is a ubiquitously expressed cell surface transmembrane glycoprotein that plays a role in medi-ating Ca2+ influx following the depletion of intracellular Ca2+ stores. Stim1 functions in the endoplasmic reticulum (ER) where it acts as a Ca2+ sensor via its EF-hand domain which causes large conformational changes. When Ca2+ levels drop, Stim1 translocates from the ER to the plasma membrane, where it activates the Ca2+ release-activated Ca2+ (CRAC) channel subunit, TMEM142A/Orai1. Stim2 is a potent inhibitor of Stim1-mediated store-operated calcium (SOC) entry. Stim1 is implicated in tumor growth suppression and stromal-hematopoietic cell interactions.

Note: This product is for in vitro research use only