SRGAP3 Conjugated Antibody

Catalog No: #C40116

Package Size: #C40116-AF350 100ul #C40116-AF405 100ul #C40116-AF488 100ul #C40116-AF555 100ul #C40116-AF594 100ul #C40116-AF647 100ul #C40116-AF680 100ul #C40116-AF750 100ul #C40116-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	SRGAP3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SRGAP3 protein.
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human SLIT-ROBO Rho GTPase activating protein 3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	WRP; MEGAP; SRGAP2; ARHGAP14
Accession No.	Swiss-Prot#:O43295NCBI Gene ID:9901NCBI Protein#:BC039300
Uniprot	O43295
GeneID	9901;
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

SRGAP3 is a 1099 amino acid protein containing 1 FCH domain, 1 Rho-GAP domain and 1 SH3 domain. Expressed highly in brain, and in lower levels in kidney, WRP is thought to play a role in cell migration through its interaction with Cdc42 and Rac1. Cdc42 and Rac1 are two intracellular signaling proteins that regulate the multistep cell migration process. WRP downregulates Cdc42 and Rac1 activity, thereby impairing actin and microtubule dynamics, the formation of protrusions, and total cell migration. Defects in the gene encoding WRP have been linked to severe idiopathic mental retardation. Three isoforms of WRP exist as a result of alternative splicing events.

Note: This product is for in vitro research use only