p-Stat3(Phospho-Tyr 705) Conjugated Antibody

Catalog No: #C13332

Package Size: #C13332-AF350 100ul #C13332-AF405 100ul #C13332-AF488 100ul #C13332-AF555 100ul #C13332-AF594 100ul #C13332-AF647 100ul #C13332-AF680 100ul #C13332-AF750 100ul #C13332-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	p-Stat3(Phospho-Tyr 705) Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KIAA0751 antibody Non small cell lung cancer RimL3a protein antibody Non small cell lung cancer RimL3c protein antibody OBOE antibody Protein regulating synaptic membrane exocytosis 2 antibody Rab-3-interacting molecule 2 antibody Rab-3-interacting protein 3 antibody Rab3 interacting molecule 2 antibody RAB3IP3 antibody Regulating synaptic membrane exocytosis 2 antibody Regulating synaptic membrane exocytosis protein 2 antibody RIM 2 antibody Rims2 (gene name) antibody Rims2 antibody RIMS2_HUMAN antibody
Accession No.	Swiss-Prot#:Q9UQ26
Uniprot	Q9UQ26
GeneID	9699;
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	160
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

Rab3, a neural/neuroendocrine-specific member of the Rab family, is involved in Ca2+-regulated exocytosis. Rab3 functions in an inhibitory capacity by controlling the recruitment of secretory vesicles into a releasable pool at the plasma membrane. Rim (rab3 interacting molecule), a putative effector protein for Rab3s, is composed of an N-terminal zinc-finger motif and C-terminal PDZ and C2 domains. Rim exists as two variants, Rim1 and Rim2, produced by alternative splicing. The 3oΩ½oΩ½-end of the Rim2 gene produces an independent mRNA that encodes a smaller protein referred to as Nim2, which like Rim, also regulates exocytosis. Rim serves as a Rab3-dependent regulator of synaptic-vesicle fusion by forming a GTP-dependent complex between synaptic plasma membranes and docked synaptic vesicles. Both Rim1 and Rim2 can bind to cAMP-GEFII, which is a direct target of cAMP in regulated exocytosis and is responsible for cAMP-dependent, PKA-dependent exocytosis. Rim also localizes on the plasma membrane of INS-1E cells and pancreatic beta-cells. Rab3 binding domain of Rim enhances glucose-stimulated secretion in intact cells and Ca2+-stimulated exocytosis in permeabilized cells, suggesting that Rim may also play a regulatory role in insulin secretion.

Note: This product is for in vitro research use only