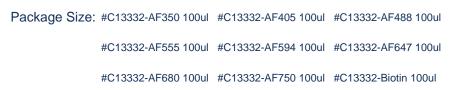
## p-Stat3(Phospho-Tyr 705) Conjugated Antibody

Catalog No: #C13332





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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	
GenelD	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 appli	cations: 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 3oû½oû½-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