

ptxA Polyclonal Conjugated Antibody

Catalog No: #C42634



Package Size: #C42634-AF350 100ul #C42634-AF405 100ul #C42634-AF488 100ul
 #C42634-AF555 100ul #C42634-AF594 100ul #C42634-AF647 100ul
 #C42634-AF680 100ul #C42634-AF750 100ul #C42634-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ptxA Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Bordetella pertussis
Specificity	The antibody detects endogenous level of total ptxA polyclonal antibody.
Immunogen Description	Recombinant Bordetella pertussis Pertussis toxin subunit 1 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Islet-activating protein S1 NAD-dependent ADP-ribosyltransferase ptxA BP3783
Accession No.	Swiss-Prot#:P04977
Uniprot	P04977
GeneID	2665068;
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	36
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

S1 is an NAD-dependent ADP-ribosyltransferase, which plays a crucial role in the pathogenesis of *B.pertussis* causing disruption of normal host cellular regulation. It catalyzes the ADP-ribosylation of a cysteine in the alpha subunit of host heterotrimeric G proteins. In the absence of G proteins it also catalyzes the cleavage of NAD⁺ into ADP-ribose and nicotinamide. It irreversibly uncouples the G-alpha GTP-binding proteins from their membrane receptors.

Note: This product is for in vitro research use only