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ptxA Polyclonal Antibody

(Catalog #A53718)

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.

Description
ptxA Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
0.03% Proclin 300. 50% Glycerol, 0.01M PBS, pH 7.4.

Specificity
Bordetella pertussis

Isotype
IgG

Uniprot ID
P04977

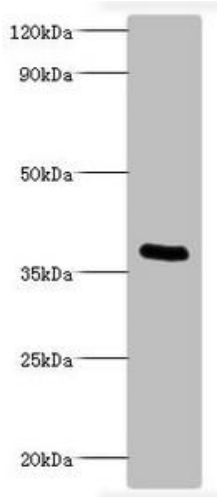
Purification
Protein G purified

Immunogen
Recombinant Bordetella pertussis Pertussis toxin subunit 1 protein (35-269AA)

Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

Alternative Names
Islet-activating protein S1 NAD-dependent ADP-ribosyltransferase ptxA BP3783

Application
ELISA, WB; Recommended dilution: WB:1:1000-1:5000



Western blot
All lanes: Bordella pertussis pertussis toxin subunit 1 antibody at 2ug/ml + recombinant Bordella pertussis pertussis toxin subunit 1 100ng
Secondary
Goat polyclonal to rabbit IgG at 1/1000 dilution
Predicted band size: 36 kDa
Observed band size: 36 kDa