

Product datasheet

Anti-Pertussis toxin antibody ab193494

[1 Image](#)

Overview

Product name	Anti-Pertussis toxin antibody
Description	Rabbit polyclonal to Pertussis toxin
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Bordetella pertussis
Immunogen	Recombinant full length protein corresponding to Bordetella pertussis Pertussis toxin aa 1 to the C-terminus. Database link: P04977

 [Run BLAST with](#)

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General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituents: 49% PBS, 50% Glycerol, 0.03% Proclin 300
Purity	Protein G purified
Purification notes	>95%
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab193494 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 30 kDa.
ELISA		Use at an assay dependent concentration.

Target

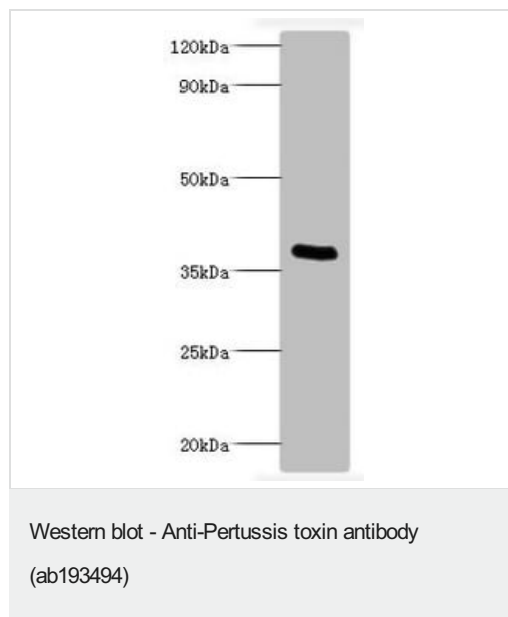
Relevance

Pertussis toxin (PT) is a protein-based AB5-type exotoxin produced by *Bordetella pertussis*. PT catalyzes the ADP-ribosylation of the alpha subunits of the heterotrimeric guanine nucleotide regulatory proteins G_i, G_o, and G_t and prevents intracellular signal transduction by preventing the G proteins from interacting with G protein-coupled receptors on the cell membrane. PT consists of one molecule each of S1 (26 kDa), S2 (22 kDa), S3 (22 kDa), S5 (12 kDa) and two molecules of S4 (12 kDa).

Cellular localization

Secreted

Images



Anti-Pertussis toxin antibody (ab193494) at 2 µg/ml + Recombinant *Bordetella pertussis* pertussis toxin subunit 1 at 0.1 µg

Secondary

Polyclonal goat anti-rabbit IgG at 1/1000 dilution

Predicted band size: 30 kDa

Observed band size: 36 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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