

# Anti-Cholera Toxin antibody ab123129

**3 References**   [画像数 2](#)

### 製品の概要

製品名	Anti-Cholera Toxin antibody
製品の詳細	Rabbit polyclonal to Cholera Toxin
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ELISA
種交差性	<b>交差種:</b> Vibrio cholerae
免疫原	Full length protein corresponding to Cholera Toxin. Cholera toxin and the toxoid purified from culture medium of Vibrio cholerae 569B strain.
ポジティブ・コントロール	Culture medium of Vibrio cholerae 569B strain
特記事項	<p>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.</p> <p>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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6 Preservative: 0.05% Sodium azide Constituent: Whole serum
精製度	Whole antiserum
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

The Abpromise guarantee

**Abpromise保証は、** 次のテスト済みアプリケーションにおけるab123129の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/2000. Predicted molecular weight: 14, 29 kDa.
ELISA		Use at an assay dependent concentration.

## ターゲット情報

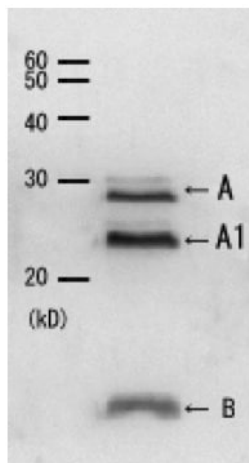
### 関連性

The holotoxin (cholera toxin) consists of a pentameric ring of B subunits whose central pore is occupied by the A subunit. The A subunit contains two chains, A1 and A2, linked by a disulfide bridge. The B subunit pentameric ring directs the A subunit to its target by binding to the GM1 gangliosides present on the surface of the intestinal epithelial cells. It can bind five GM1 gangliosides. It has no toxic activity by itself. After binding to gangliosides GM1 in lipid rafts, through the subunit B pentamer, the holotoxin and the gangliosides are internalized. The holotoxin remains bound to GM1 until arrival in the ER. The A subunit has previously been cleaved in the intestinal lumen but the A1 and A2 chains have remained associated. In the ER, the A subunit disulfide bridge is reduced, the A1 chain is unfolded by the PDI and disassembled from the rest of the toxin. Then, the membrane-associated ER oxidase ERO1 oxidizes PDI, which releases the unfolded A1 chain. The next step is the retrotranslocation of A1 into the cytosol. This might be mediated by the protein-conducting pore SEC61. Upon arrival in the cytosol, A1 refolds and avoids proteasome degradation. In one way or another, A1 finally reaches its target and induces toxicity.

### 細胞内局在

Secreted

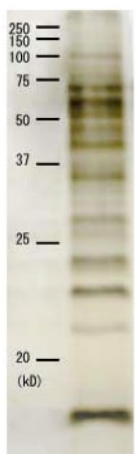
## 画像



Anti-Cholera Toxin antibody (ab123129) at 1/2000 dilution + Culture medium of *Vibrio cholerae* 569B strain

**Predicted band size:** 14, 29 kDa

Western blot - Anti-Cholera Toxin antibody  
(ab123129)



Culture medium of *Vibrio cholerae* 569B strain subjected to electrophoresis under reducing condition followed by silver-staining.

Western blot - Anti-Cholera Toxin antibody  
(ab123129)

**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
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

#### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors