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Datasheet for ABIN1713348

anti-Cholera Toxin beta antibody

1 Publication

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Overview

Quantity:	100 µL
Target:	Cholera Toxin beta
Reactivity:	Vibrio cholerae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cholera Toxin beta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from CTXB/beta subunit Cholera Toxin
Isotype:	IgG
Cross-Reactivity:	Rat
Cross-Reactivity (Details):	Cholera Toxin Subunit B
Purification:	Purified by Protein A.

Target Details

Target:	Cholera Toxin beta
Abstract:	Cholera Toxin beta Products

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Target Details

Background:	Synonyms: Cholera enterotoxin B chain, Cholera enterotoxin beta chain, Cholera enterotoxin gamma chain, Cholera enterotoxin subunit B, Cholera toxin B protein, Choleragenoid, CTX B, CTXB, TOX B, TOXB, VC1456, CHTB_VIBCH. Background: The B subunit of cholera toxin (CtxB) binds to a GM1-ganglioside receptor, a ubiquitous glycolipid cell surface receptor. This binding is widely accepted to initiate toxin action by triggering uptake and delivery of the toxin A subunit into cells. The beta chain has no toxic activity by itself. The holotoxin 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 A subunit (and Cholera toxin) activates the adenylate cyclase enzyme in cells of the intestinal mucosa leading to increased levels of intracellular cAMP.
Gene ID:	2613962

Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Tanaka, Kuwahara-Otani, Maeda, Minato, Yagi: "Possible Role of the Myelinated Neural Network

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in the Parietal Peritoneum in Rats as a Mechanoreceptor." in: **Anatomical record (Hoboken, N.J. : 2007)**, Vol. 300, Issue 9, pp. 1662-1669, (2017) (PubMed).

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