

CTXB beta subunit Cholera Toxin Antibody HRP Conjugated

Catalog No: #C02148H

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Description

Product Name	CTXB beta subunit Cholera Toxin Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F ICC
Species Reactivity	Cholera Toxin
Crossing Reactivity	Cholera Toxin Subunit B
Immunogen Description	KLH conjugated synthetic peptide derived from CTXB beta subunit Cholera Toxin
Conjugates	HRP
Target Name	CTXB beta subunit Cholera Toxin
Other Names	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.
Accession No.	NCBI Gene ID2613962
GeneID	2613962
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

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.

Note: This product is for in vitro research use only