

## Product datasheet for **BP1011HRP**

### VC1456 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections (1:20 - 1:200). ELISA (1:200 - 1:1000). Western blot (1:20 - 1:200).
Reactivity:	Bacteria
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified Cholera toxin.
Specificity:	This antibody detects the beta subunit of Cholera toxin.
Formulation:	Phosphate buffered saline, pH 7.2, containing 0.002 % Thimerosal and 1 % Bovine serum albumin Label: HRP State: Liquid purified Ig fraction Label: Horseradish Peroxidase Molar ratio: 2-3
Concentration:	lot specific
Conjugation:	HRP
Storage:	Store at 2 - 8 °C up to one week or (in aliquots) at -20 °C for longer. Centrifuge vial before opening. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P01556</a>
Background:	The Beta subunit of cholera toxin binds to a GM1-ganglioside receptor which is widely accepted to initiate toxin action by triggering uptake and delivery of the toxin Alpha subunit into cells. The holotoxin consists of a pentameric ring of Beta subunits whose central pore is occupied by the Alpha subunit. The Alpha subunit contains two chains, A1 and A2, linked by a disulfide bridge. The Alpha subunit (and Cholera toxin) activate the adenylate cyclase enzyme in cells of the intestinal mucosa leading to increased levels of intracellular cAMP.



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**Synonyms:** Cholera enterotoxin B chain, Cholera enterotoxin gamma chain, Cholera toxin B subunit, CTxB, CTxB subunit, VC\_1456