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Datasheet for ABIN318666

anti-Tetanus Toxin antibody



Overview

Quantity:	1 mL
Target:	Tetanus Toxin (TetX)
Reactivity:	Clostridium tetani
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Tetanus Toxin antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Tetanus Exotoxin
Isotype:	IgG
Specificity:	This antibody detects the tetanus toxin which is produced by the soil micro-organism Clostridium tetani. C. tetani infection results in its systemic growth and secretion of tetanus, which causes muscle spasms by inhibiting neurotransmitter release. The antibody also reacts with the C-fragment of tetanus toxin.
Purification:	Affinity Chromatography.

Target Details

Target:	Tetanus Toxin (TetX)
Alternative Name:	Tetanus Toxin (TetX Products)
Target Type:	Bacteria

Target Details

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Background:	Tetanus toxin acts by inhibiting neurotransmitter release. It binds to peripheral neuronal synapses, is internalized and moves by retrograde transport up the axon into the spinal cord where it can move between postsynaptic and presynaptic neurons. It inhibits neurotransmitter release by acting as a zinc endopeptidase that catalyzes the hydrolysis of the 76-Gln-I-Phe-77 bond of synaptobrevin-2. The precursor polypeptide is subsequently cleaved to yield subchains L and H. These remain linked by a disulfide bridge and are non-toxic after separation. Synonyms Clostridium tetani toxin, tetX
Gene ID:	1061100
NCBI Accession:	NP_783831
UniProt:	P04958
Application Details	
Application Notes:	ELISA: 1g/mL. Western Blot: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	5.0 mg/mL
Buffer:	PBS pH 7.2 containing 0.09 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.