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Datasheet for ABIN112840

anti-Tetanus Toxin antibody (AA 1300-1314)

Overview

Quantity:	1 mL
Target:	Tetanus Toxin (TetX)
Binding Specificity:	AA 1300-1314
Reactivity:	Clostridium tetani
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tetanus Toxin antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide corresponding to the amino acids 1300-1314 of the native molecule conjugated to Keyhole limpet Haemocyanin.
Specificity:	This antibody detects Tetanus Toxin.
Purification:	Affinity Chromatography on Protein A.

Target Details

Target:	Tetanus Toxin (TetX)
Alternative Name:	Tetanus Toxin (TetX Products)
Target Type:	Bacteria
Background:	Tetanus toxin acts by inhibiting neurotransmitter release. It binds to peripheral neuronal

Target Details

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.
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: 1.1 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.