



Rabbit Anti-Tetanus Toxin heavy chain antibody

SL11772R

Product Name:	Tetanus Toxin heavy chain
Chinese Name:	破伤风毒素重链抗体
Alias:	Tentoxylisin; Tetanus toxin chain H; Tetanus toxin heavy chain; TETX_CLOTE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Clostridium tetani E88
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	94kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Clostridium tetani E88 Tetanus toxin heavy chain:801-900/1315
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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- -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.

Function:

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-|-Phe-77' bond of synaptobrevin-2.

Subunit:

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.

Subcellular Location:

Secreted.

Similarity:

Belongs to the peptidase M27 family.

SWISS:

P04958

Gene ID:

24255210

Database links:

UniProtKB/Swiss-Prot: P04958.2

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.