

Product datasheet for **AP05529PU-N**

CTC_RS14060 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1 µg/ml. Western Blot: 1/100-1/500.
Reactivity:	Clostridium tetanis
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Tetanus Exotoxin
Specificity:	This antibody detects the tetanus toxin which is produced by the soil micro-organism <i>Clostridium tetani</i> . <i>C. tetani</i> 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 (~50 kDa carboxy terminal residues 865-1315) of tetanus toxin (Emsley et al. 2000).
Formulation:	PBS pH 7.2 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P04958



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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-|-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